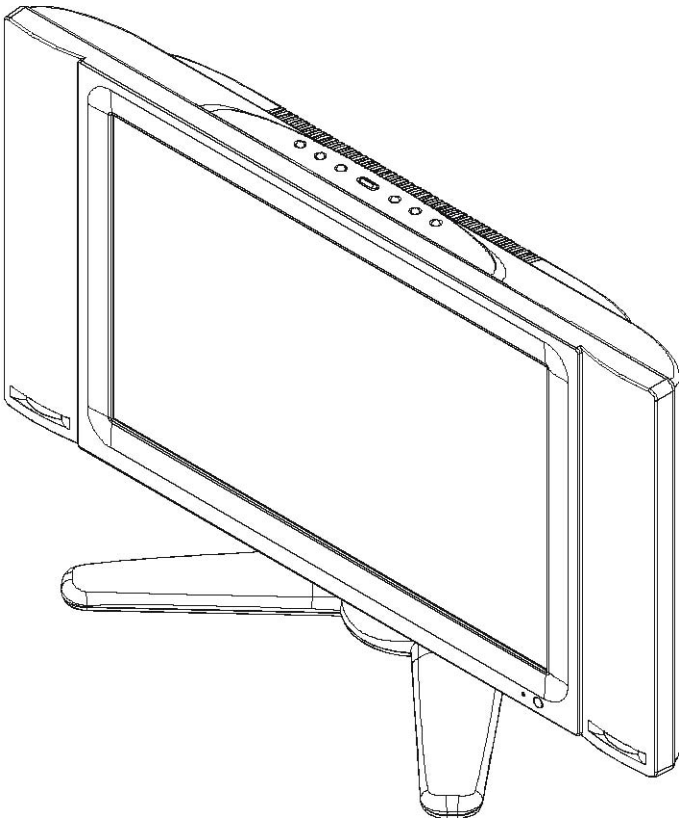
SERVICE MANUAL

LCD TV MONITOR

A20E221

SERIES



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1. SPECIFICATIONS

1-1 GENERAL SPECIFICATIONS

Items		Specification	
LCD Panel	Screen Size	20" TFT-LCD Panel	
	Aspect Ratio	4:3	
	Resolution	800 x 600 (SVGA)	
	Display Area (opening) H x V	408mm x306mm	
	Pixel Pitch	0.51mm x 0.51mm	
	Display colors	16.7 million	
	Contrast Ratio	400:1	
	Brightness	500cd / m²	
	Viewing Angle	160°(Horizontal)/120°(Vertical)	
	Response Time	16ms	
	Lamp Type/Life	60000 hr	
	Color Temperature	Cool / Warm	
TV Function	TV Tuning System	NTSC 181 Channel with Electronic PLL Tuner	
	Sound System	MTS / SAP	
	Closed Caption, V-chip	Yes	
	Color Systems	NTSC/PAL-M/PAL-N	
Video Inputs	AV1	RCA x 1	Audio L/R x 1
	AV2	RCA x 1	Audio L/R x 1 (Share)
		S-Video x 1	
	Component	YPbPr x 1	Audio L/R x 1
PC Input	Signal Input	Analog: D-Sub 15 pin (detachable cable)	
	PnP compatibility	DDC 2B	
	Input frequency	Analog: FH: 31.5KHz to 49KHz FV: 56Hz to 75Hz	
	Recommended	Analog: 800 x 600 (75Hz)	
	Input Audio	Headphone Mini-jack for stereo (3.5ø)	
Audio Output	Audio Output: L / R	Speaker (built-in): Two 5 watt speakers	
		Headphone Mini-jack for stereo (3.5ø)	
		Line Output (RCA L/R)	
OSD language		English / French / Spanish/Portuguese	
Table Stand		Included	
Wall Mount		VESA 100 x 100 mm	
Power	Power Supply	AC100V~240V, 50/60Hz	
	Power Consumption	<70W	
Environment	Operating Temp.	+ 0°C ~ + 40°C	
	Storage Temp.	- 25°C ~ + 60°C	
	Operating Humidity.	10 % ~ 85 %	
Panel Tilt	Forwards/Backwards/ Rotation	-5° / +20° / ±30°	
Dimension	W x H x D (with stand)	696 x 443x 250 (mm)	
Weight (net)	Kg (w/o Accessories)	9 Kg	
Accessories		Remote Controller, Batteries (x2), AC Power Cord, D-sub Signal Cable, 3.5mm Audio Cable, User's Manual	

1-2 LCD TV DESCRIPTION

The LCD TV will contain a main board (include audio), a switching power board (include an inverter board), an IR board, a Headphone jack board and a function keyboard. The main board and power board will house the flat panel to control logic I^2C bus, DDC, brightness control logic for LCD panel, DC-DC conversion to supply the appropriate power to the whole board and transmitting TTL level signals into LCD Module to drive the LCD display circuit.

The inverter board will drive the 6CCFLs (Cold Cathode Fluorescent Tube).
The function keyboard and Remote Control will provide the OSD control signal to the Main Board.

1-3 INTERFACE CONNECTOR

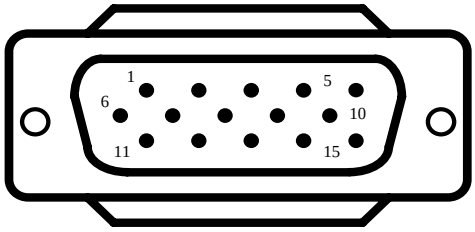
(A) Power Cord Connector.
(B) RF Signal Connector.
(C) Video (AV1, AV2, S-VIDEO, COMPONENT) / Audio Signal Connectors.
(D) PC D-sub 15 pin Connector.
(E) PC Audio Connector.

2. D-SUB PIN DISTRIBUTION

This procedure gives you instructions for installing and using the LCD TV display.

1. Position the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduct ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.

2. Connect the 15-pin color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	RED Video	9.	No Pin
2.	GREEN Video	10.	Sync Ground
3.	BLUE Video	11.	Not Used
4.	Not Used	12.	Serial Data for DDC
5.	Ground	13.	HORIZ. SYNC
6.	Ground-R	14.	VERT. SYNC
7.	Ground-G	15.	Serial Clock for DDC
8.	Ground-B		

3. S-Video (Y /C): TV rear side : 4 pin Mini-DIN female
Component Video: TV rear side : RCA female(Red/Green/Blue)
TV: TV rear side : IEC type female
AV: TV rear side : RCA female (Yellow)
Audio: TV rear side : RCA female (Red / White)
PC Input audio: 3.5mm Stereo female
Audio Input for AV, S-Video, Component Video : RCA female (Red / White)
Headphone 3.5mm female
Audio line Out (to another speaker) : RCA female (Red / White)

4. Apply power to the display by turning the power switch to the "ON" position and allow about ten seconds for Panel warm-up. The Power-On indicator lights "ORANGE" when the display is on.

5. With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display, or press auto-adjust to get the best picture-quality.

6. This TV (with PC function) has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.

7. If your TV requires service, it must be returned with the power cord.

2-1 FACTORY PRESET DISPLAY MODE

VGA MODES				
	Horizontal		Vertical	
Resolution	Nominal Frequency (KHz)	Sync Polarity	Nominal Freq. (Hz)	Sync Polarity
720x400	31.5	N	70.1	P
640x480	31.5	N	59.9	N
640x480	37.9	N	72.8	N
640x480	37.5	N	75	N
800x600	37.9	P	60.3	P
800x600	48.1	P	72.2	P
800x600	46.9	P	75	P

3. ADJUSTMENT

3-1 USE OF THE REMOTE CONTROL

POWER:
Press to turn on/off the TV. The TV is never completely powered off unless it is physically unplugged.

0~9/100 Digit buttons
To select a TV channel.

CH
Press ▲ or▼ to brows through the TV channels which are not erased. To view a blocked channel, use the digit buttons to access the channel and enter your access code.

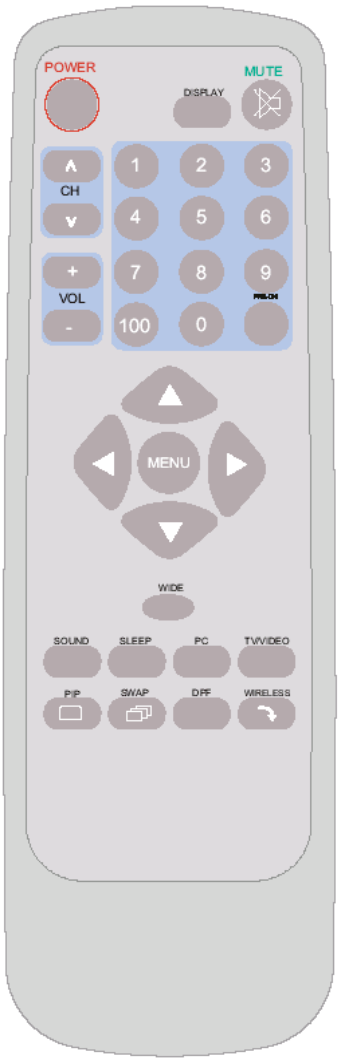
VOL
Press + or – to adjust the volume.

PC
select your input source to PC

SLEEP
With this key you can set a time period after which the TV should switch itself to standby. Press the key repeatedly to select the number of minutes. The counter runs from 0,30,60,90,120 minutes. The timer begins to count down from the number of minutes selected after the display has disappeared.

PIP
Press this button to display PC input and other input on the screen at same time.

POP
Not Supported. (for the model with this function only)



MENU
Press repeatedly to display OSD menu.

V-CHIP
Press this button to setup parental

SWAP
Not Supported. (for the model with this function only)

SIZE
Not Supported. (for the model with this function only)

MUTE
Temporarily interrupt the sound or restore it.

DISPLAY
Press this button to Display Channel number on the right-top

MTS /SAP
Press this key to activate Multichannel Television Sound, Stereo or Mono sound.

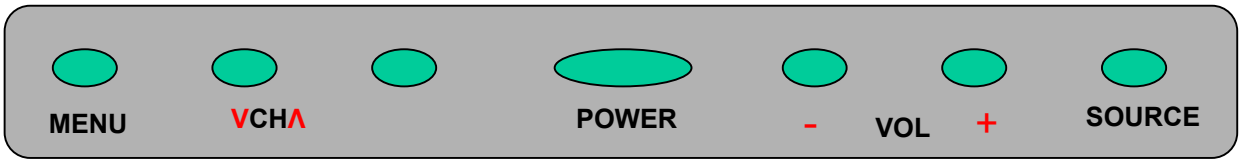
PRE-CH
To display the previously selected TV channel.

TV/VIDEO
Select your input source: press repeatedly to select **TV, AV1, AV2, S-VIDEO** or **COMPONENT** mode, according to where you connected your external source.

- **AV1/AV2** for a VCR connected to the AV connectors of the TV.
- **S-VIDEO** for a S-Video VCR connected to the S-VIDEO connector of the TV.
- **COMPONENT** for a DVD/DTV Set Top Box or another component video device connected to **Y, Pb, Pr** and to the **AV AUDIO** inputs **L** and **R**.

CAPTION
Press this button to turn **Closed Caption** on.
Be sure you have selected Caption On in the Setup menu.

3-2 USE OF THE MENUS
3-2-1 BUTTON CONTROL



MENU: Press to show the OSD menu and exit OSD menu at the TV.

V CH Λ: Press to perform select function and channel.

POWER: Press to turn on or off the TV.
Light is green when the power on,
Light is orange when the power off.

- VOL +: Press to confirm your function selection and adjustment.

SOURCE: Press to select your input source.

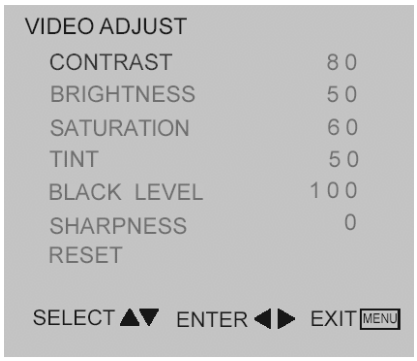
3-2-2 TO USE THE MENUS

1. Press the MENU button to display each menu
2. Use the cursor up/down to select a menu item.
3. Use the cursor left/right to enter a submenu or enable/disable the function.
4. Press the **MENU** button to exit the menu.

Main menu

Press the **MENU** button into the main OSD (On Screen Display). Adjust item include **VIDEO ADJUST**, **AUDIO ADJUST**, **CLOSED CAPTION**, **V-CHIP**, **SLEEP TIMER**, **SET UP** and **PC ADJUST**.

Video Adjust



1. **Contrast**, **Brightness** and **Saturation** are adjusted from 0 to 100.
2. **Tint** is adjusted from 0 to 100.
3. **Black Level** is adjusted from 0 to 100.
4. **Sharpness** is adjusted from 0 to 10.

You can adjust picture contrast, brightness, color, tint and sharpness to the levels you prefer.

5. Reset is set up to default value.

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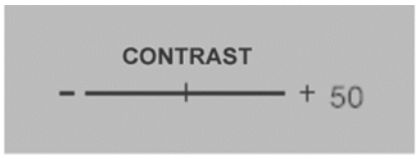
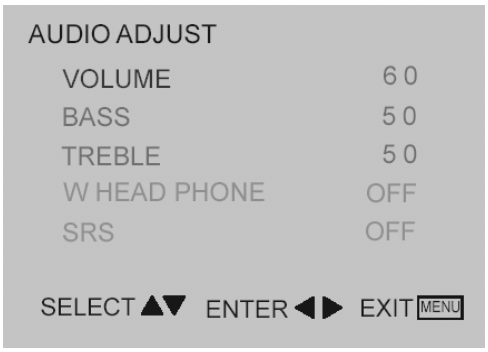


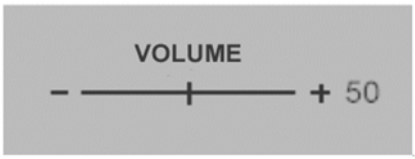
When adjust any item sub-OSD will show up like this

Audio Adjust



1. **Volume** is adjusted from 0 to 100.
2. **Bass** and **Treble** are adjusted from 0 to 100.
3. **W Head Phone** (optional) is the function for wireless headphone enable or disable.

You can adjust audio Volume, Balance, Bass and Treble to the levels you prefer.



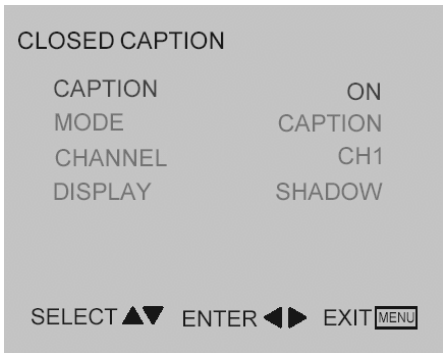
When adjust any item sub-OSD will show up like this.

CLOSED CAPTION

It's allows you to read the dialog of television programs on the TV screen. Designed to help the hearing impaired, this feature uses on screen "text boxes" to show dialogue and conversations while the TV program is in progress. Captions will appear on the screen only during captioned broadcasts.

Remark: the captions do not always use correct spelling and grammar.

Not all TV programs and product commercials are made for broadcast with Closed Caption information included. Refer to your area's TV program listings for the TV channels and times of closed Caption shows. The captioned programs are usually noted in the TV listings with service Marks such as "CC".



Caption Mode:
Dialogue (and descriptions) for the action on the captioned TV program shows on screen. Usually CH1 is the most used channel. CH2 may be used for alternate languages if they are being transmitted.

Text Mode:
Often used for channel guide, schedules, bulletin board information for Closed Caption programs, news, weather information or stock marker reports.
Not all Closed Caption modes are necessarily being use by a TV channel during the transmission of a Closed Caption program.

V-CHIP SETUP

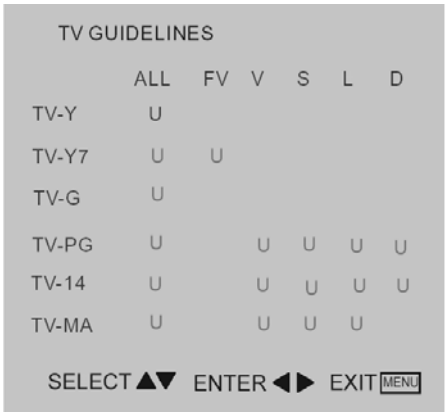
Select V-Chip on OSD then enter 4 digits of pin number.

- Initial pin number is "0000".
- If you enter an incorrect pin number "Incorrect" message will be displayed.

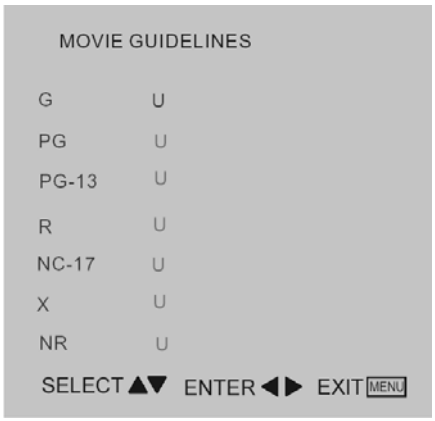
It is the parental control function (V-chip). It is used to block program viewing based on the ratings by the broadcaster. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen be blocked. It is also possible to block all program viewing for a time period.

A. There are two item could be defined. One is **TV Guidelines** another one is **Movie Guidelines.**
B. Setting up **TV Guidelines**
   - Use Up/Down arrow buttons to move around the matrix and press **Right arrow** button to change the value form "U" to "B" or "B" to "U"

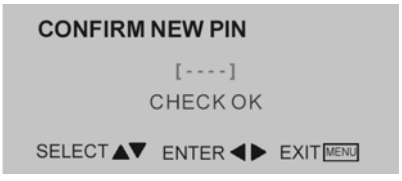
- **U:** Unblock
  B: Block



C. Setting up **Movie Guidelines**
- Use Up/Down arrow buttons to move around the matrix and press **Right arrow** button to change the value from “U” to ‘B” or “B” to “U”



D. **CHANGE PIN (**personal identification number) is needed for changing password to control V-chip setup. Process as follows: 1)ENTER OLD PIN CODE 2)ENTER NEW PIN CODE 3)CONFIRM NEW PIN by entering new pin one more time.



Sleep Timer
It is for set a time period after which the TV should switch itself to standby. The counter runs from 0 > 30 > 60 > 90 > 120 minutes.

The timer begins to count down from the number of minutes selected after the display has disappeared.
Note: To view the remaining time, press the **SLEEP** button once. To cancel the sleep time, repeatedly press the **SLEEP** button until… appears. If you turn the TV off after setting the sleep time, the setting will be erased. Set it again.

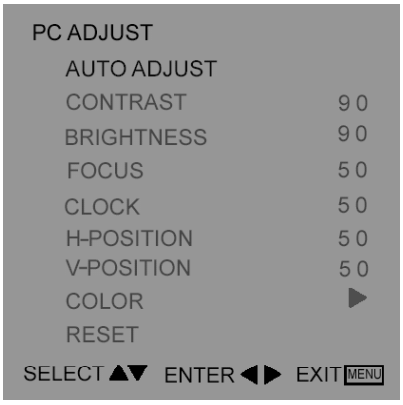
SETUP

1. **Blue screen** for when no video input screen will be blue or blank. If it's ON, the screen will be in blue. If it's OFF, the screen will be blank. Pre-set is ON.

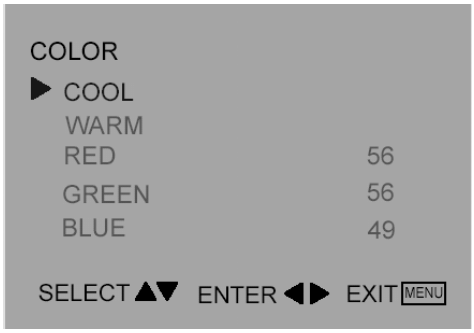
2. **Language** for different language OSD MENU includes English / French / Spanish/Portuguese. Pre-set is English.
3. **AIR/CATV** for different TV input solution, RF and cable.
4. **CH Search** is for auto memorizes all receiving channels of air TV or CATV programs.
5. **CH DEL. /ADD** is for add ">" or delete "<" the current channel for memorizes.
6. **RESET** is set up to default value.

PC Adjust

1. **Auto Adjust** is the function auto-sizing for VGA input.
2. **Contrast, Brightness, Focus, Clock, H-Position, V-Position** and **Color** are the functions for PC adjustment.

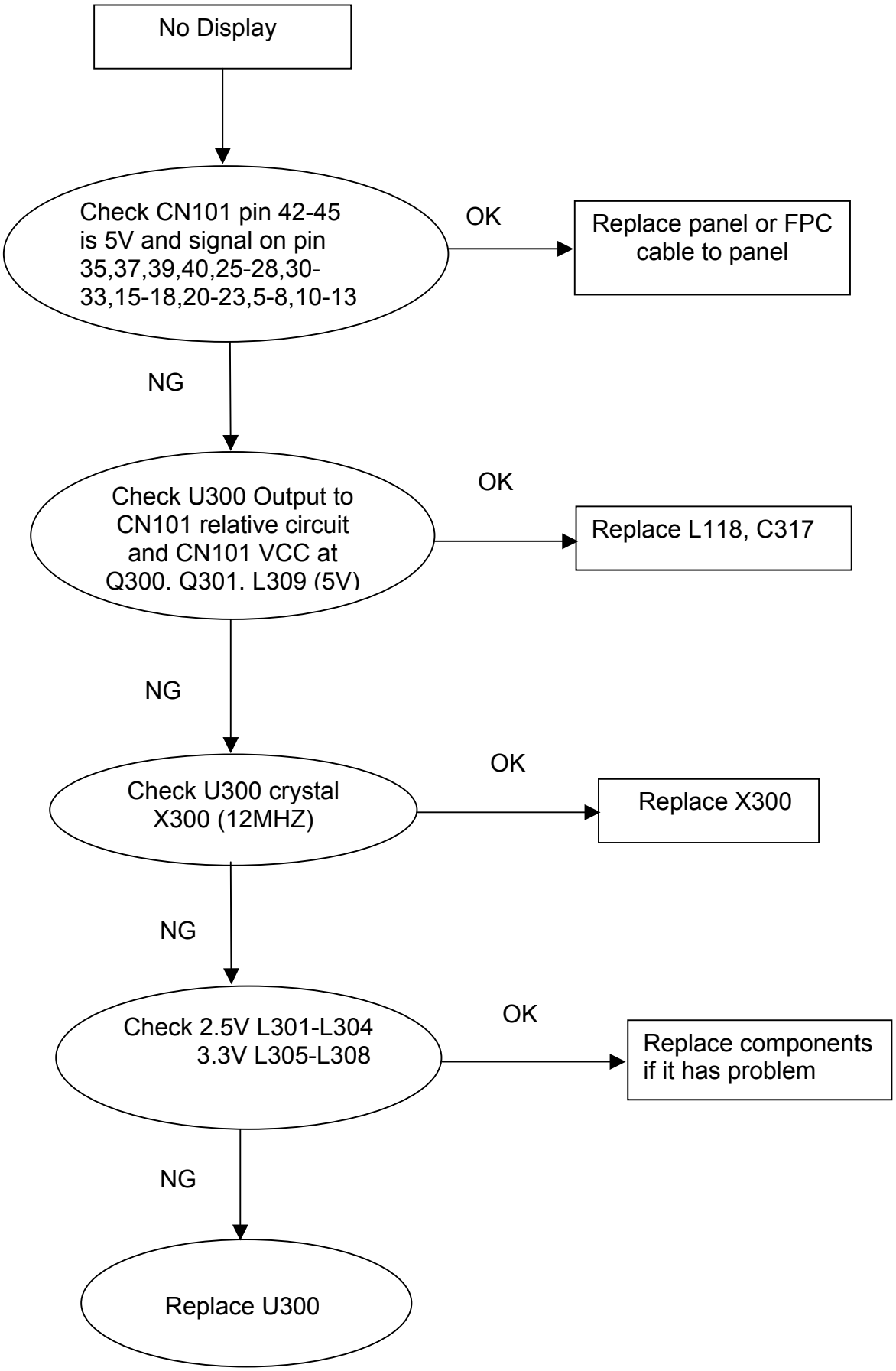


The color temp is for you to adjust the color temperature to one you prefer.

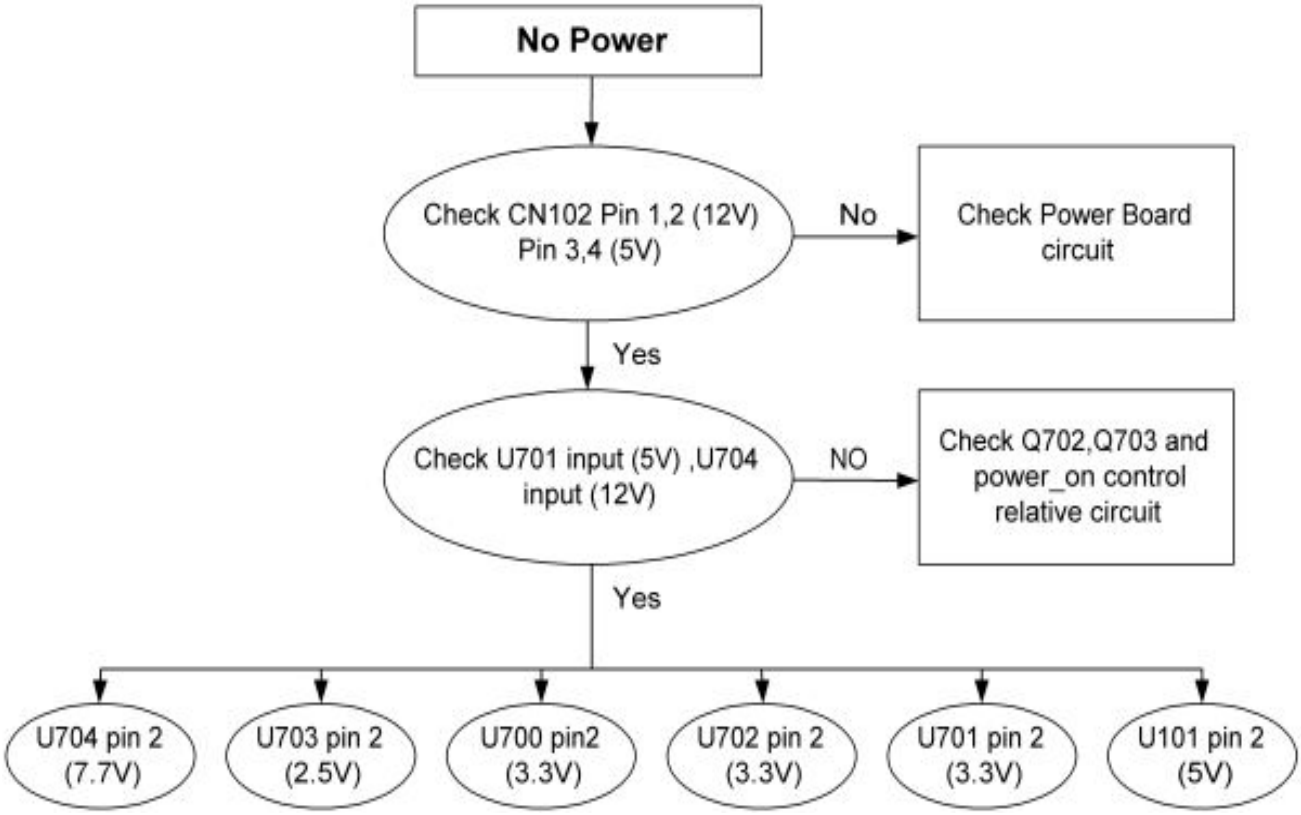


4. TROUBLE SHOOTING CHART

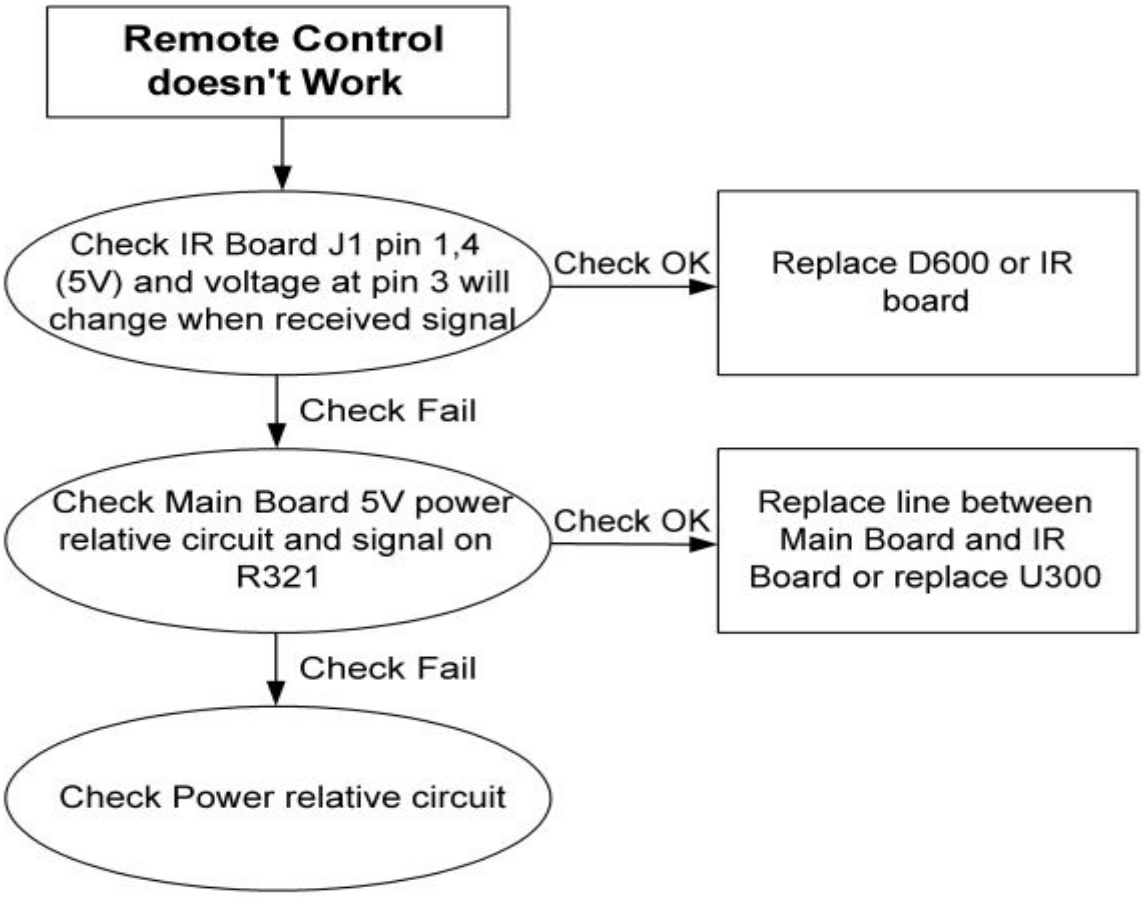
4-1. Panel Control Circuit



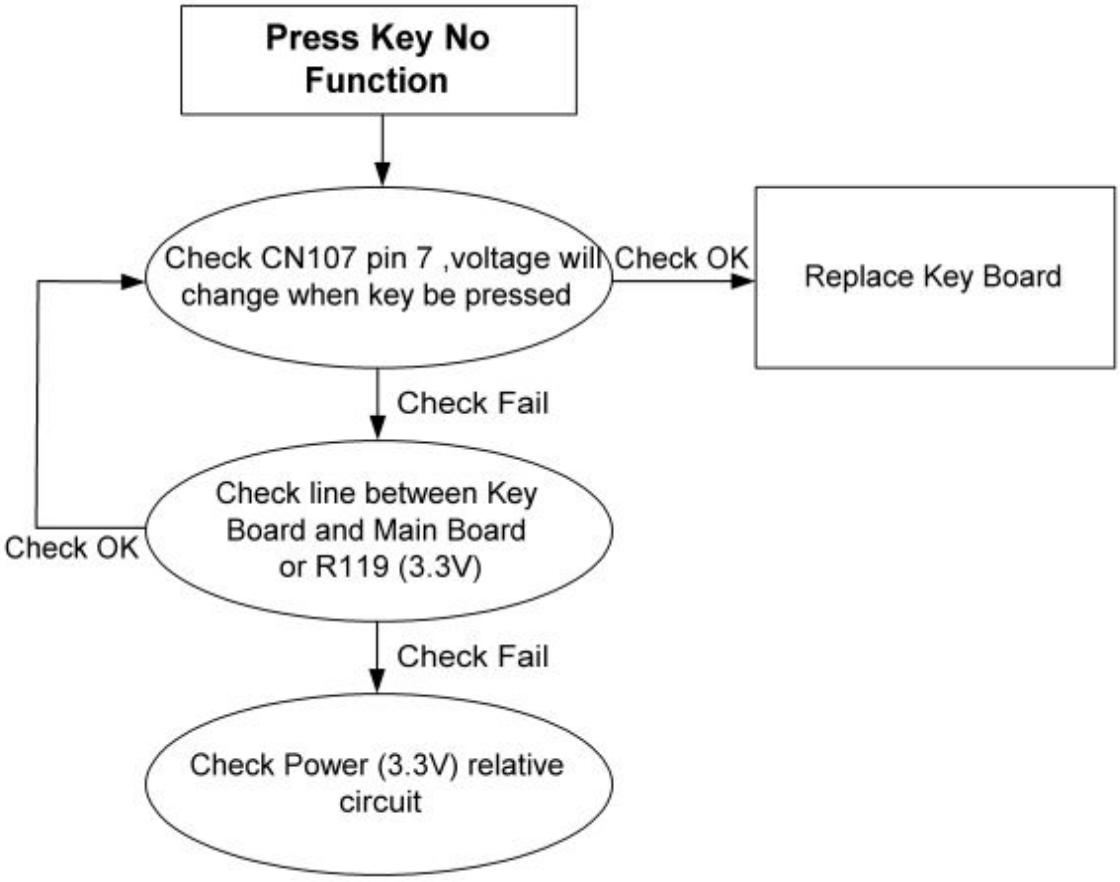
4-2. Main Board Power Circuit



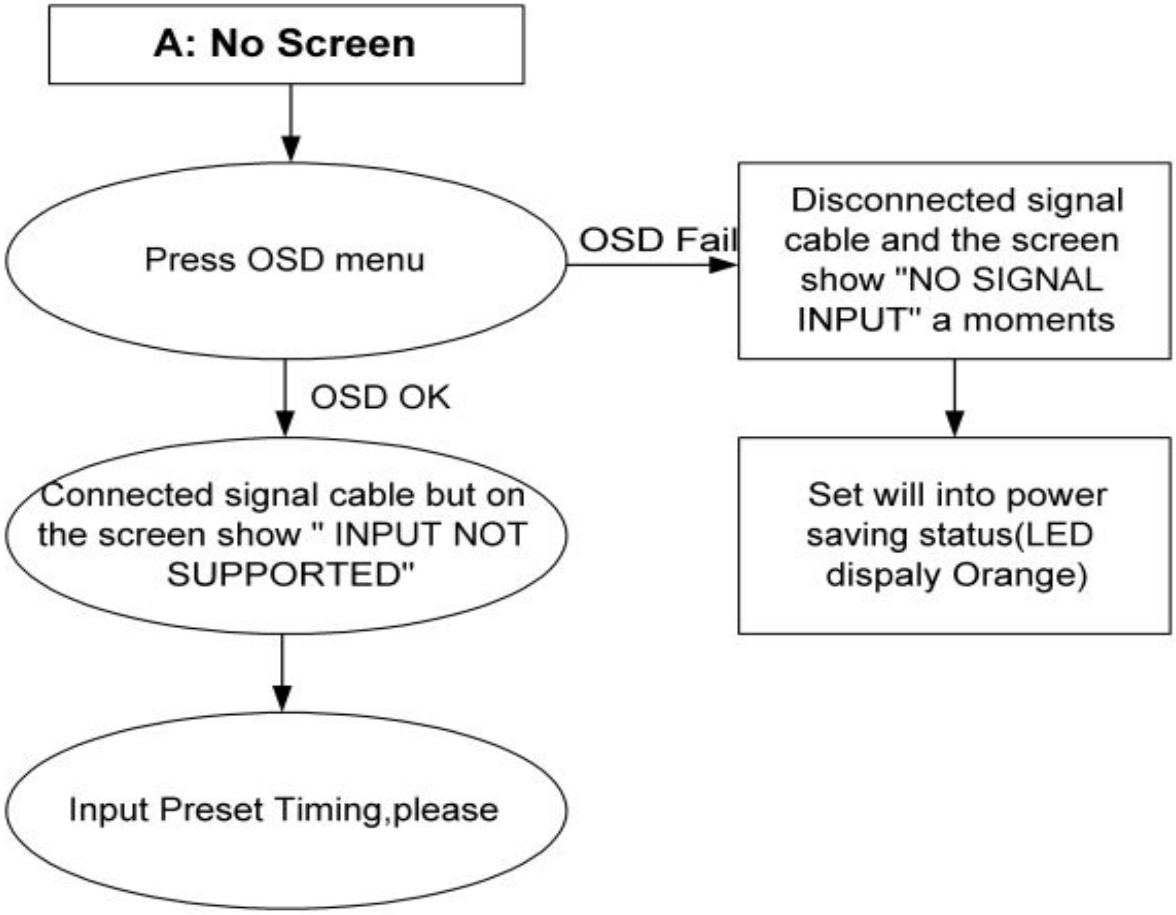
4-3. Remote Control Block

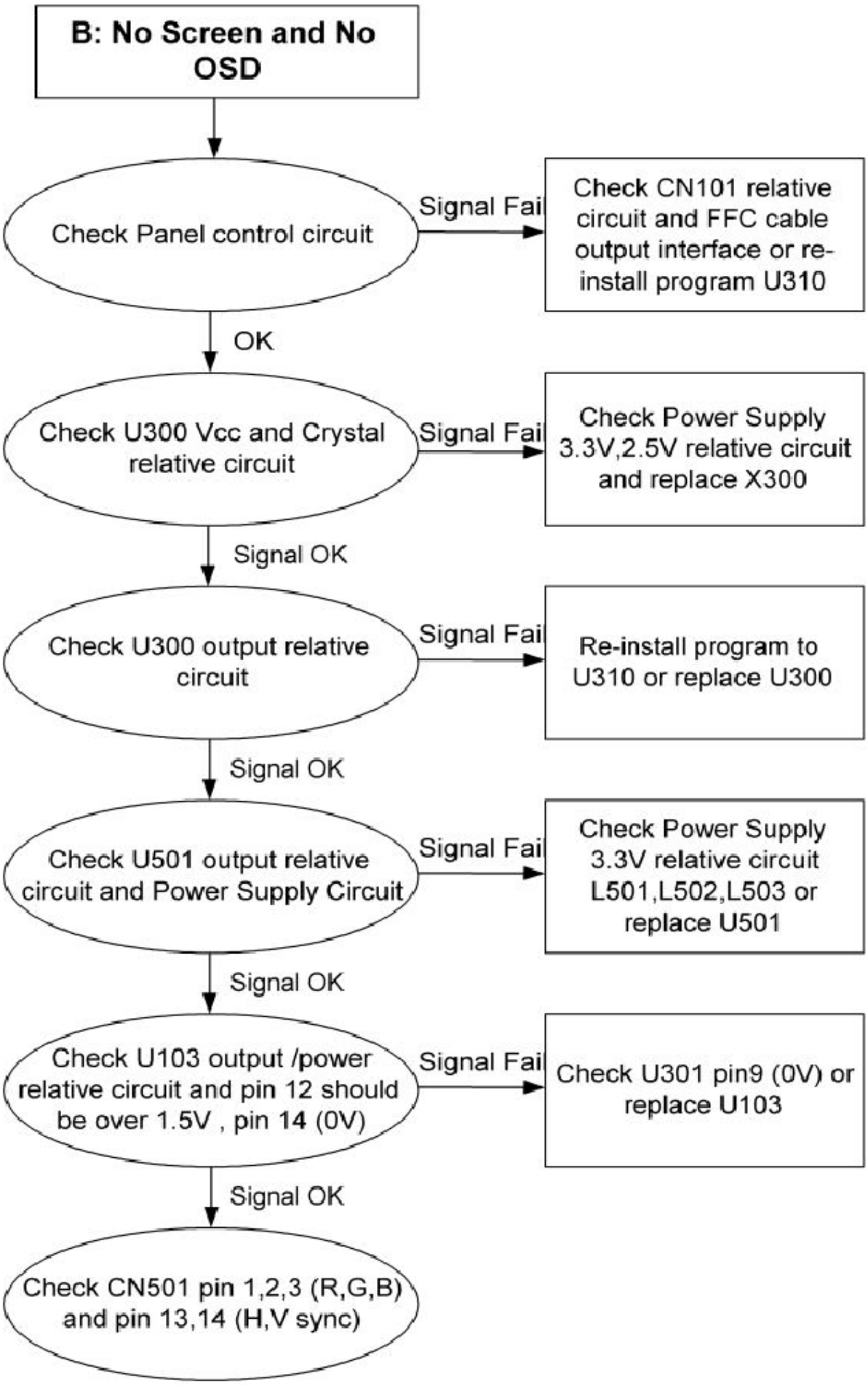

Remote Control doesn't Work
Check IR Board J1 pin 1,4 (5V) and voltage at pin 3 will change when received signal
Check OK
Replace D600 or IR board
Check Fail
Check Main Board 5V power relative circuit and signal on R321
Check OK
Replace line between Main Board and IR Board or replace U300
Check Fail
Check Power relative circuit

4-4. Key Board Control Block

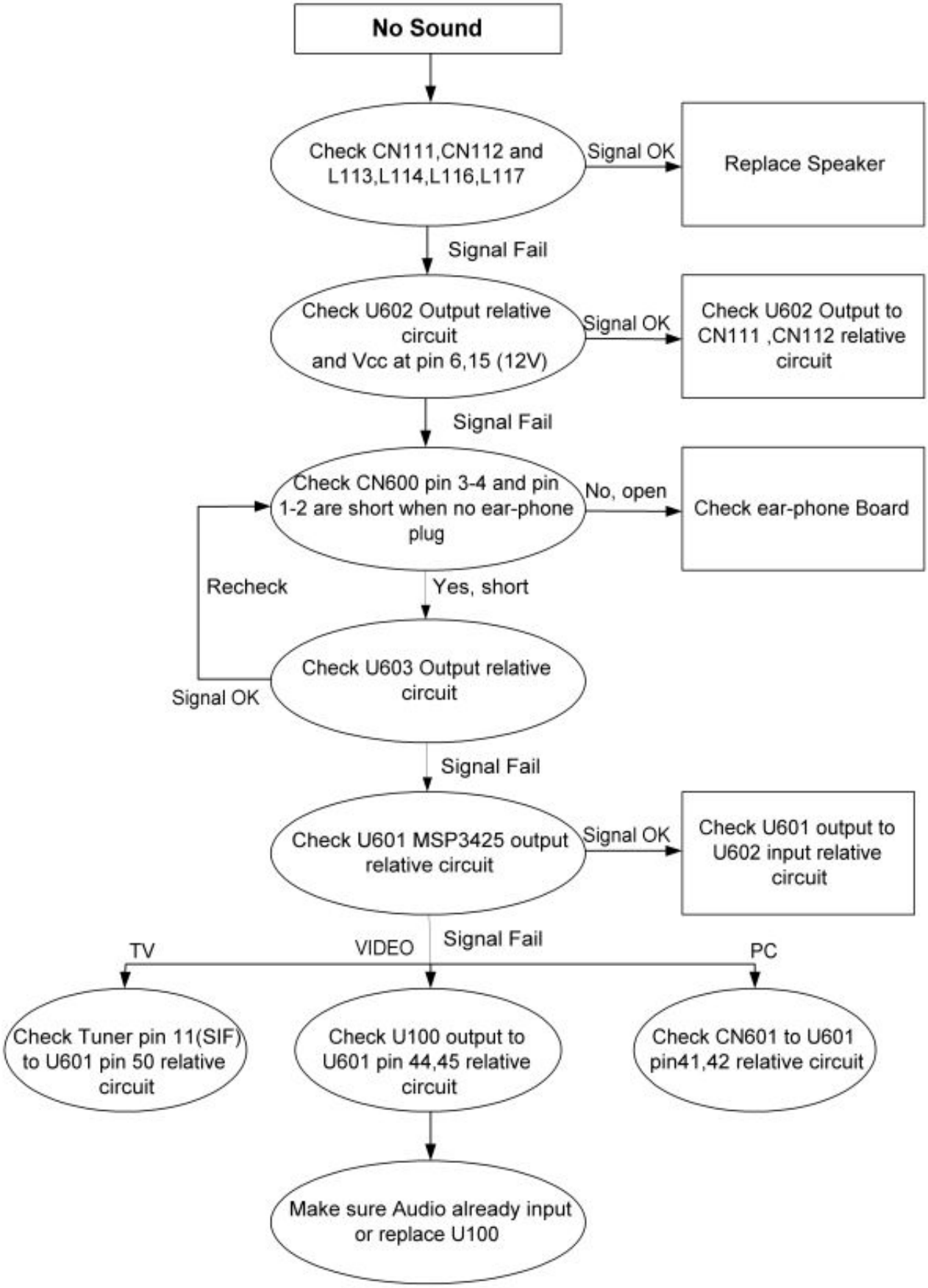

Press Key No Function
Check CN107 pin 7 ,voltage will change when key be pressed
Check OK
Replace Key Board
Check Fail
Check line between Key Board and Main Board or R119 (3.3V)
Check OK
Check Fail
Check Power (3.3V) relative circuit

4-5. PC Control Block

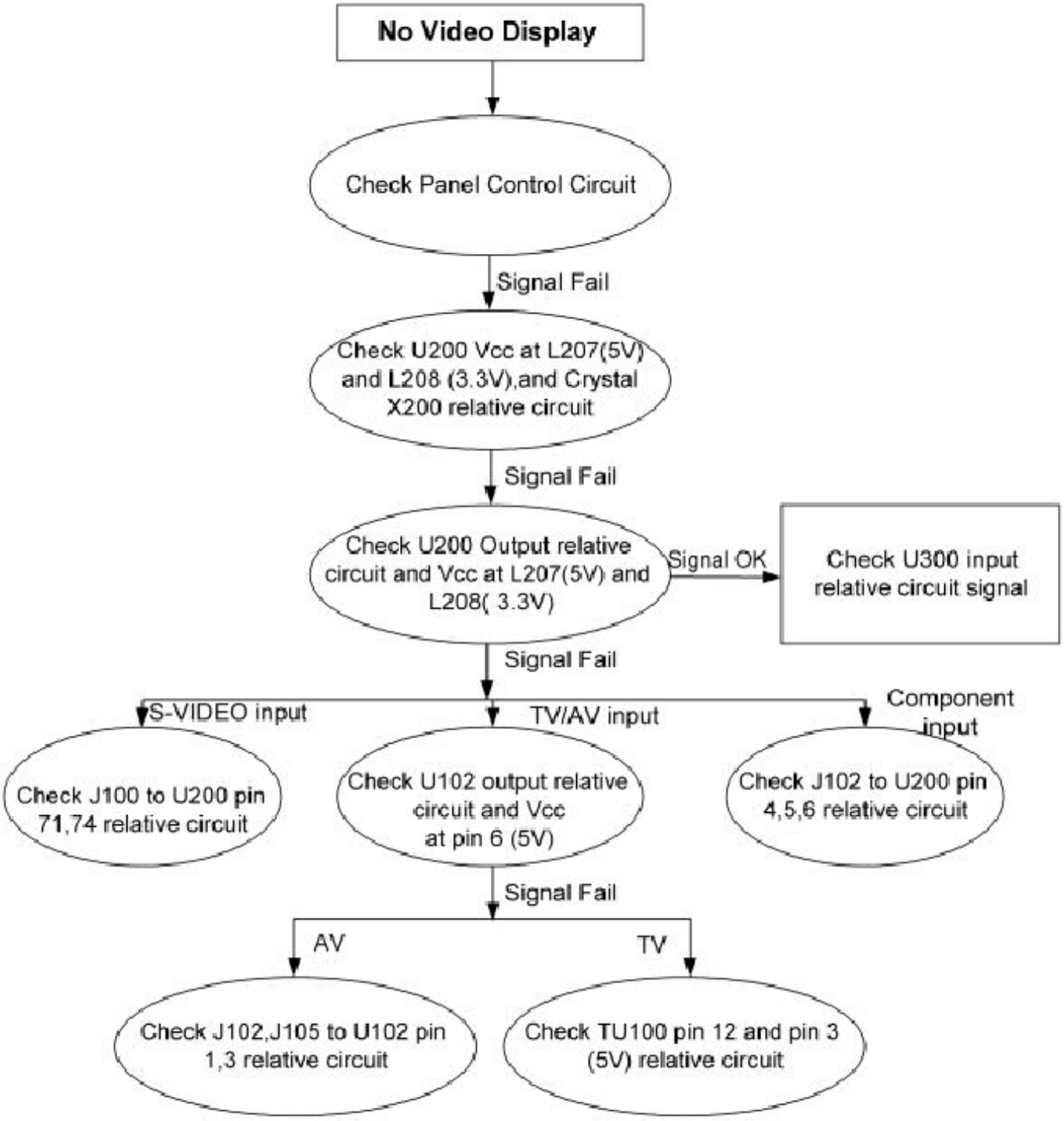

A: No Screen
Press OSD menu
OSD Fail
Disconnected signal cable and the screen show "NO SIGNAL INPUT" a moments
OSD OK
Connected signal cable but on the screen show " INPUT NOT SUPPORTED"
Set will into power saving status(LED dispaly Orange)
Input Preset Timing,please


B: No Screen and No OSD
Check Panel control circuit
Signal Fai
Check CN101 relative circuit and FFC cable output interface or re-install program U310
OK
Check U300 Vcc and Crystal relative circuit
Signal Fai
Check Power Supply 3.3V,2.5V relative circuit and replace X300
Signal OK
Check U300 output relative circuit
Signal Fai
Re-install program to U310 or replace U300
Signal OK
Check U501 output relative circuit and Power Supply Circuit
Signal Fai
Check Power Supply 3.3V relative circuit L501,L502,L503 or replace U501
Signal OK
Check U103 output /power relative circuit and pin 12 should be over 1.5V , pin 14 (0V)
Signal Fai
Check U301 pin9 (0V) or replace U103
Signal OK
Check CN501 pin 1,2,3 (R,G,B) and pin 13,14 (H,V sync)

4-6. Audio Control Block


No Sound
Check CN111,CN112 and L113,L114,L116,L117
Signal OK
Replace Speaker
Signal Fail
Check U602 Output relative circuit and Vcc at pin 6,15 (12V)
Signal OK
Check U602 Output to CN111 ,CN112 relative circuit
Signal Fail
Check CN600 pin 3-4 and pin 1-2 are short when no ear-phone plug
No, open
Check ear-phone Board
Recheck
Yes, short
Check U603 Output relative circuit
Signal OK
Signal Fail
Check U601 MSP3425 output relative circuit
Signal OK
Check U601 output to U602 input relative circuit
Signal Fail
TV
VIDEO
PC
Check Tuner pin 11(SIF) to U601 pin 50 relative circuit
Check U100 output to U601 pin 44,45 relative circuit
Check CN601 to U601 pin41,42 relative circuit
Make sure Audio already input or replace U100

4-7 Video Control Block


No Video Display
Check Panel Control Circuit
Signal Fail
Check U200 Vcc at L207(5V) and L208 (3.3V),and Crystal X200 relative circuit
Signal Fail
Check U200 Output relative circuit and Vcc at L207(5V) and L208(3.3V)
Signal OK
Check U300 input relative circuit signal
Signal Fail
S-VIDEO input
TV/AV input
Component input
Check J100 to U200 pin 71,74 relative circuit
Check U102 output relative circuit and Vcc at pin 6 (5V)
Check J102 to U200 pin 4,5,6 relative circuit
Signal Fail
AV
TV
Check J102,J105 to U102 pin 1,3 relative circuit
Check TU100 pin 12 and pin 3 (5V) relative circuit

Note: 1. If Replace "**MAIN-BOARD**" , Please re-do "DDC-content" programmed & "WHITE-Balance".
2. If Replace " **POWER-BOARD INVERTER**" only, Please re-do " WHITE-Balance"
3. Please re-install program before you do change any component.

5. White-Balance, Luminance adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

Before started adjust white balance, please setting the Chroma-7120 **MEM. Channel 1 to 9300** color, **MEM. Channel 2 to 6500** color, and **MEM. Channel 3 to 9300** color, (9300 parameter is x =283, y = 297, Y = 250cd/m2 (PC Mode); 6500 parameter is x = 313, y = 329, Y = 250cd/m^2 (PC Mode); 9300 parameter is x =283, y = 297, Y> 350cd/cm2 (TV Mode))

Color Temp.	9300(PC Mode)	6500(PC Mode)	9300(TV Mode)
X	0.283	0.313	0.283
Y	0.297	0.329	0.297
Y	**250**	**250**	**>350**

How to setting MEM.channel you can reference to Chroma-7120 user guide or simple use " **SC**" key and " **NEXT**" key to modify x,y,Y value and use "**ID**" key to modify the TEXT description
Following is the procedure to do white-balance adjust

Press Number key 100 → 9 → 9 → 9 will into the factory mode, and OSD will be shown in the screen, then select MORE function will into Bias and Gain adjustment.

1. ADC Adjustment:
   AL → Auto level adjust for PC mode.
   ALY → Auto level adjust for YUV mode.
   RG, GG, BG → R, G, B Gain adjust.
   RB, GB, BB → R, G, B Bias adjust.
2. SCALER Adjustment:
   CO, BR → Contrast and Brightness adjust.
   RG, GG, BG → R, G, B Gain adjust.
   RB, GB, BB → R, G, B Bias adjust.
   S9, S6, ST, SH→ Save 9300, 6500, TV/AV /S-Video /480i, Component 480P color temperature.
   R9, R6, RT, RH→ Recall 9300, 6500, TV/AV /S-Video /480i, Component 480P color temperature.
   CC → Set Close Caption ON/OFF.
   VC → Set V Chip ON/OFF.
   WH → Set Wireless Headphone ON/OFF.
   PP → Set PIP ON/OFF.
   BI → Setup Burn-in mode ON / OFF.
   ISP →Set ISP ON/OFF.
   SR PP → Set SRS ON/OFF.
   EX → Exit MORE function to factory mode menu.

I. Before adjustment :

1. Press Number key 100 →9 →9 →1 into **Engineer Mode**.
2. Press menu key repeat to "ADC "page, then select "EPinit" and press "right" key to initial EEPROM.
3. Press Number key 100→ 9→ 9 → 9 into the **Factory Mode.**

II. Gain adjustment :

A. Adjust 9300 color-temperature:

1. Switch the chroma-7120 to **RGB-**mode (with press "MODE" button)
2. Switch the MEM. Channel to Channel 01 (with up or down arrow on Chroma-7120)
3. The LCD-indicator on chroma-7120 will show R = ***, G=***, B=***.
4. Change Source input to PC.
5. Select AL and press "right" arrow to do the auto-level.
6. Adjust the GG up to G value at chroma-7120 is 100.
7. Adjust the BG and RG till the value of R and B value on Chroma-7120 are 100±5.
8. Repeat the item 4 and 5 to make the R, G, B value are the same.
9. Select cursor to "S9" and press "right" arrow to save the value.

B. Adjust 6500 color-temperature:

1. Switch the chroma-7120 to **RGB-**mode (with press “MODE” button)
2. Switch the MEM. Channel to Channel 02 (with up or down arrow on Chroma-7120)
3. The LCD-indicator on chroma-7120 will show R = ***, G=***, B=***.
4. Change source input to PC.
5. Select AL and press “right” arrow to do the auto-level.
6. Adjust the GG up to G value at chroma-7120 is 100.
7. Adjust the BG and RG till the value of R and B value on Chroma-7120 are 100±5.
8. Repeat the item 4 and 5 to make the R, G, B value are the same.
9. Select cursor to “S6” and press “right” arrow to save the value.

C. Adjust Video color-temperature:

1. Switch the chroma-7120 to **RGB-**mode (with press “MODE” button)
2. Switch the MEM. Channel to Channel 03 (with up or down arrow on Chroma-7120)
3. The lcd-indicator on chroma-7120 will show R = ***, G=***, B=***.
4. Change source input to AV1.
5. Adjust the GG up to G value at chroma-7120 not going up ,set the G value is max.
6. Adjust the BG and RG till the value of R and B value on Chroma-7120 same as G value.
7. Repeat the item 4 and 5 to make the R, G, B value are the same.
8. Select cursor to “ST” and press “right” arrow to save the value.

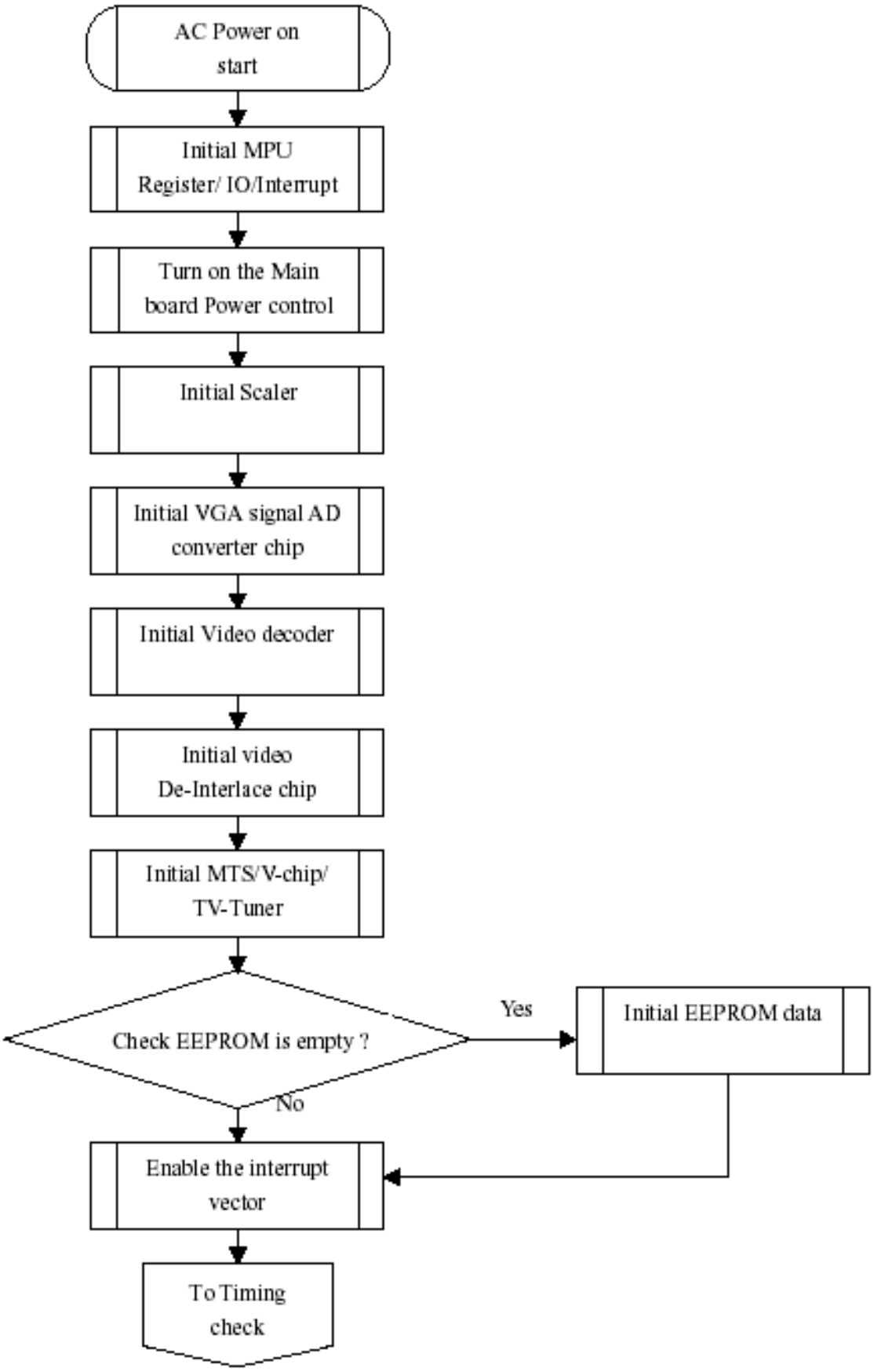
D. Adjust Component color-temperature:

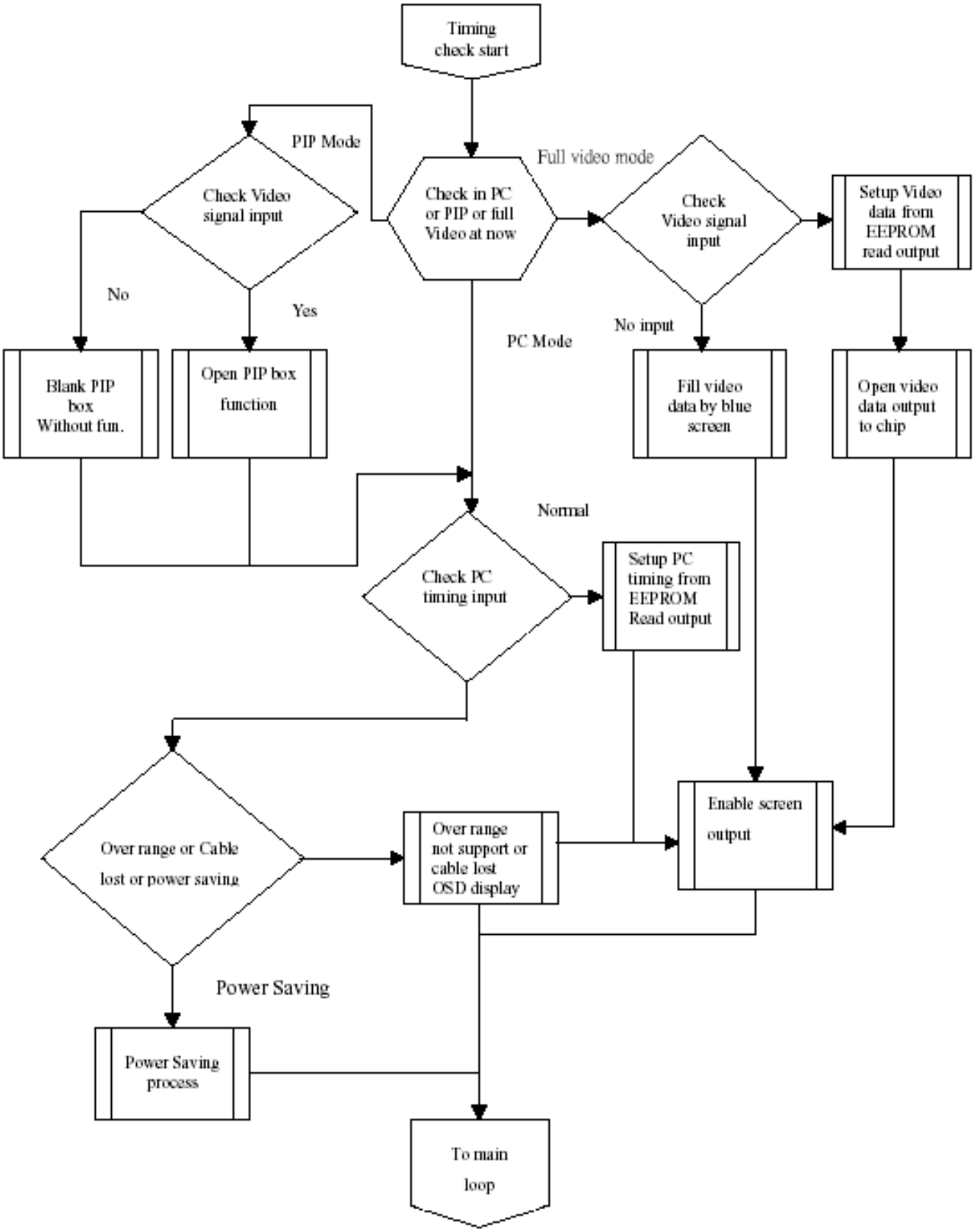
1. Change source input to Component.
2. Select ALY and press “right” arrow to do the auto-level.

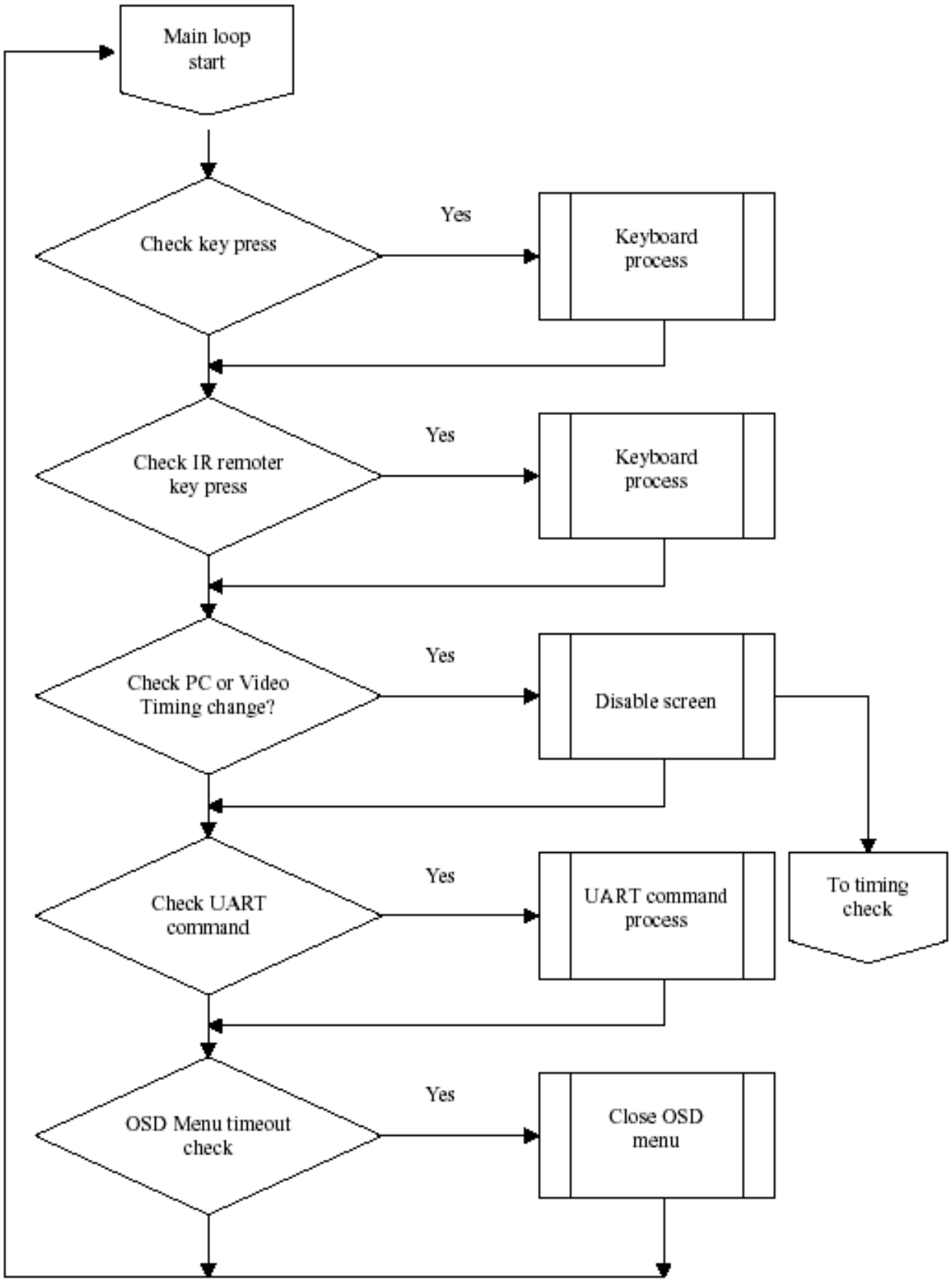
Turn the POWER-button off to on to quit from factory mode.

Remark: 1. Auto Level of PC should be adjusted with TIMG 127, PATN 42 or 16 GRAYS screen.
2. Auto Level of Component should be adjusted with 16 GRAYS screen.
3. It should be under white picture while adjusting the color temperature of all display modes.

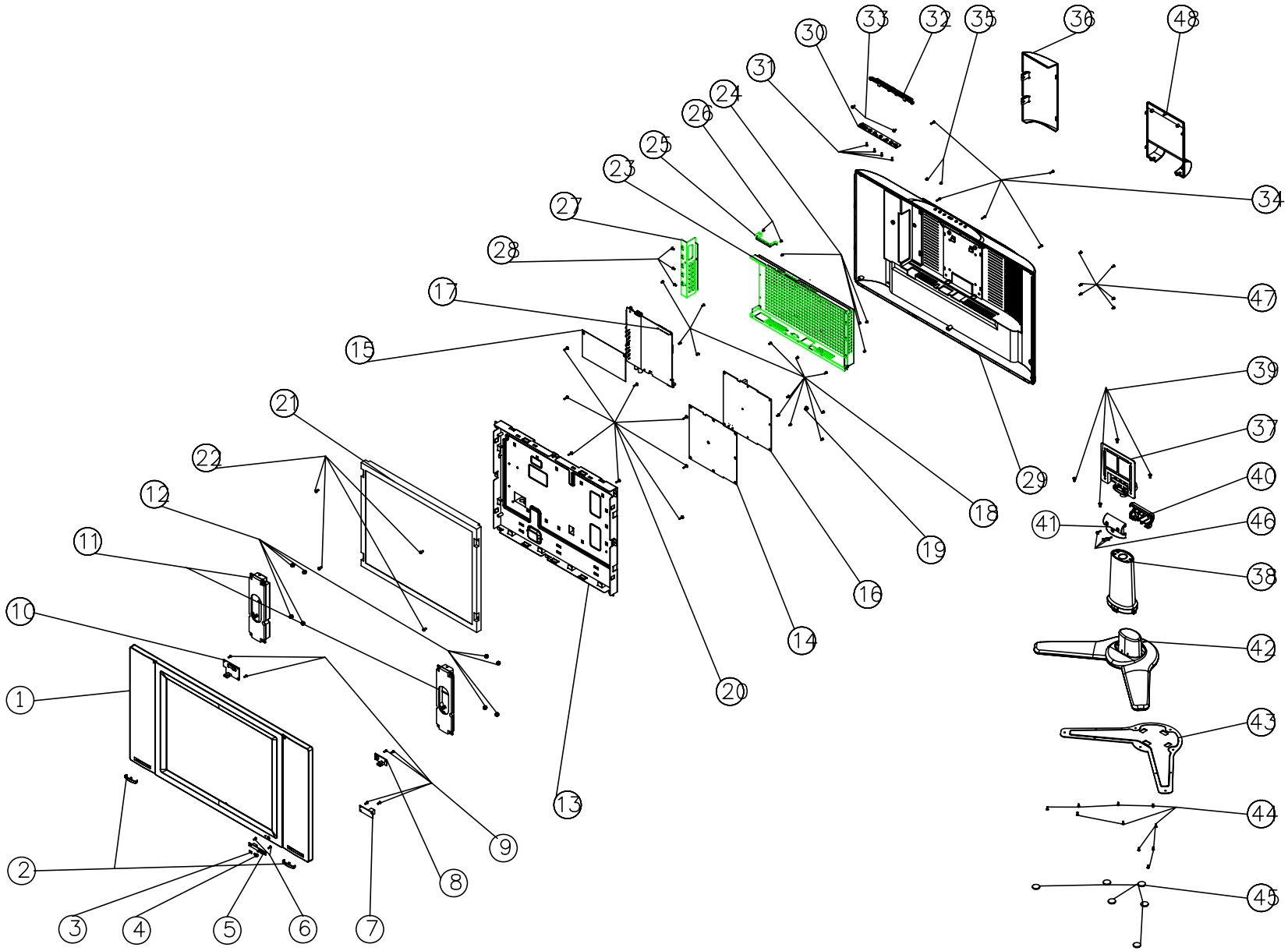
6. SOFTWARE FLOW CHART


AC Power on
start
Initial MPU
Register/ IO/Interrupt
Turn on the Main
board Power control
Initial Scaler
Initial VGA signal AD
converter chip
Initial Video decoder
Initial video
De-Interlace chip
Initial MTS/V-chip/
TV-Tuner
Check EEPROM is empty ?
Yes
Initial EEPROM data
No
Enable the interrupt
vector
To Timing
check


Timing check start
PIP Mode
Check Video signal input
Check in PC or PIP or full Video at now
Full video mode
Check Video signal input
Setup Video data from EEPROM read output
No
Yes
PC Mode
No input
Blank PIP box Without fun.
Open PIP box function
Fill video data by blue screen
Open video data output to chip
Normal
Check PC timing input
Setup PC timing from EEPROM Read output
Over range or Cable lost or power saving
Over range not support or cable lost OSD display
Enable screen output
Power Saving
Power Saving process
To main loop


Main loop start
Check key press
Yes
Keyboard process
Check IR remoter key press
Yes
Keyboard process
Check PC or Video Timing change?
Yes
Disable screen
To timing check
Check UART command
Yes
UART command process
OSD Menu timeout check
Yes
Close OSD menu

7. MECHANICAL OF CABINET FRONT DIS-ASSEMBLY



Index	Part Name	Part No.	Qty		Index	Part Name	Part No.	Qty
1	Bezel	34V1247	1		25	Shielding Connector	85V653	1
2	Lens Wireless	33V4676	2		26	Screw	M1V330-4128	4
3	Lens Remote	33V4658	1		27	Connector BKT	15V5930	1
4	Lens Power	33V4659	1		28	Screw	Q1V930-6128	3
5	Remote Board	IRP760A1	1		29	Rear Cover	34V1222	1
6	Screw	Q1L330-8120	2		30	Keyboard	KEPFA60KA1	1
7	Headphone jack Board	HJPFA60A1	1		31	Screw	Q1V330-8120	4
8	Wireless-Headphone	Optional	1		32	Button	33V4660	1
9	Screw	Q1V330-8120	4		33	Screw	Q1V1030-8128	2
10	Wireless-Headphone	Optional	10		34	Screw	Q1V330-12120	5
11	Speaker	78V323	2		35	Screw	M1V330-6128	2
12	Screw	Q1V1030-8128	8		36	Cable Cover	34V1224	1
13	Main Frame	15V5943	1		37	Hinge	37V482	1
14	Insulate Sheet	52L6025-11-693	1		38	Stand	34V1226	1
15	Insulate Sheet	52L6025-11-676	1		39	Screw	Q1V140-20120	4
16	PWR Board	PWTV2062AU1	1		40	Stand Cover B	34V1225	1
17	Main Board	CBPFA63KASAC	1		41	Stand Cover F	34V1284	1
18	Screw	M1V330-6128	12		42	Base	34V1227	1
19	Screw Ground	M1V1140-6128	1		43	BKT Base	15V5939	1
20	Screw	Q1V1030-12128	8		44	Screw	Q1V130-8120	10
21	Panel	750LVUA1S02	1		45	Rubber Foot	12V394	6
22	Screw	M1V340-14120	4		46	Screw	Q1V1030-12128	3
23	Main Shield	85V650	1		47	Screw	M1V140-12120	6
24	Screw	M1V330-4128	4		48	Hinge Cover	34V1223	1

8. PARTS LIST OF CABINET

Location	Part Number	Description	Quantity	Unit
	M1V 330 4128	SCREW M3X4	2	PCS
	CBPFA64KASE17	CONVERSION BOARD	1	PCS
	PWTV2062AU1	20" POWER BOARD	1	PCS
	15V5930 1	BKT CONNECTOR	1	PCS
	15V5943 3	MAIN FRAME	1	PCS
	23L3178815 2A	LOGO	1	PCS
	26L 800504 5	BAR CODE	1	PCS
	34V1223EGN 3L	COVER HINGE	1	PCS
	34V1224 GM L	COVER CABLE	1	PCS
	40G 583 11 1B	I/D LABEL	1	PCS
	40L 200815 1B	ID LABEL	1	PCS
	40L 58162435A	LABEL	1	PCS
	40L 583 12	LABEL 2 CONNECTOR 149X2	1	PCS
	41L2001815 1B	MANUAL	1	PCS
	41L7800815 2B	WARRANTY CARD	1	PCS
	41L7800815 9A	QSG	1	PCS
	44L2001815 1B	CARTON	1	PCS
	44L2002 1	EPS	1	PCS
	44L2002 2	EPS	1	PCS
	44L3231 15	EVA WASHER	1	PCS
	44L3231 15528	EVA WASHER	1	PCS
	44L3231 15548	EVA WASHER	1	PCS
	44LZ002200 1	PIZZA BOX	1	PCS
	45L 76 28 RN	PE BAG for MANUAL/BASE	1	PCS
	45L 88606 2	PE BAG FOR BASE	1	PCS
	45L 88609 6	EPE COVER	1	PCS
	45L 88626 3	PE BAG FOR MONITOR	1	PCS
	52L 1185	MIDDLE TAPE FOR CARTON	80	CM
	52L 1186	SMALL TAPE	10	CM
	52L 1207 A	ALUMINIUM TAPE	1	PCS
	52L 1209 A	ALUMINIUM TAPE	1	PCS
	52L 1210 A	ALUMINIUM TAPE	3	PCS
	52L 1210 A	ALUMINIUM TAPE	1	PCS
	52L 1211 B	AL TAPE	3	PCS
	52L6020 6	protect film	1	PCS
	52L6025 11676	INSULATE SHEET	1	PCS
	52L6025 11693	INSULATE SHEET	1	PCS
	71L 100521	CORE	1	PCS
	85V 650 2	SHIELD MAIN	1	PCS
	85V 653 1	SHIELD CONNETDR	1	PCS
	89L 173 56 8	AUDIO CABLE 1800mm BLAC	1	PCS
	89L1738GAA D1	D-SUB SIGNAL CABLE	1	PCS
	89L176J 50502	FFC CABLE 40P	1	PCS

	89L402A18N IS	POWER CORD	1	PCS
	95L8014 8 11	HARNESS 8P-4P+4P 680MM	1	PCS
	98LR7SW3BEACF	remote control for usa	1	PCS
	M1V 140 12120	SCREW	6	PCS
	M1V 330 4128	SCREW M3X4	3	PCS
	M1V 330 4128	SCREW M3X4	2	PCS
	M1V 330 4128	SCREW M3X4	1	PCS
	M1V 330 6128	SCREW	2	PCS
	M1V 340 14120	SCREW	4	PCS
	M1V1130 6128	SCREW	12	PCS
	M1V1140 4128	SCREW 4X6	1	PCS
	Q1V 330 12120	SCREW 3X12mm	5	PCS
	Q1V 930 6128	SCREW (T3X6)	3	PCS
	Q1V1030 12128	SCREW	8	PCS
	705LA64FB34007	20"TV BACK COVER ASS'Y	1	PCS
	750LVUA1S02	AU 20.1" VO PANEL	1	PCS
CBPFA64KASE17				
	AIFA64KASE1	MAIN BOARD	1	PCS
	40L 457624 1B	CPU LABEL	1	PCS
	40L 45762412B	CBPC LABEL	1	PCS
	85L 583510	GASKET	1	PCS
CN102	33L802210A H	HEADER FEMALE 1*10P R/A	1	PCS
CN107	33L3802 8H	WAFER 8P RIGHT ANGLE PI	1	PCS
CN111	33L3802 3H	WAFER 3P RIGHT ANGLE	1	PCS
CN112	33L3802 2H	WAFER 2P RIGHT ANGLE	1	PCS
CN501	88L 35315F HA	D-USB 15PIN	1	PCS
CN600	33L3802 5H	WAFER 5P RIGHT ANELE PI	1	PCS
CN601	88L 30214K	PHONE JACK	1	PCS
J100	88L 78 13 3	RCA+S 2*1 C1G470-000 W+	1	PCS
J102	88L 78 13 5	RCA 2*3 C1G4A1-001 TACT	1	PCS
J105	88L 78 13 1	RCA 2*3 C1G460-000 TACT	1	PCS
L701	73L 253137 ER	CHOKE COIL BY EROCORE	1	PCS
L707	73L 253137 ER	CHOKE COIL BY EROCORE	1	PCS
R102	61L153M829 59	MOFR 8.2OHM +-5% 3WS	1	PCS
R103	61L153M829 59	MOFR 8.2OHM +-5% 3WS	1	PCS
R131	61L152M100 64	10OHM 5% 2W	1	PCS
R643	61L153M399 59	3.9 OHM+-5% 3W	1	PCS
R644	61L153M399 59	3.9 OHM+-5% 3W	1	PCS
R649	61L153M399 59	3.9 OHM+-5% 3W	1	PCS
R650	61L153M399 59	3.9 OHM+-5% 3W	1	PCS
R718	61L152M229 64	2.2 OHM 2W 5% MOF	1	PCS
TU100	94LNTSC M P	TUNER NTSC BY PHILIPS	1	PCS
U310	56V1133 52TN7	A29L040L-70	1	PCS
X200	93L 22 76 J	NXS20.250 AE13F-BK3	1	PCS
X300	93L 2251A	CRYSTAL 12MHZ	1	PCS
X301	93L 22 61 J	NXF32.768AE12FN	1	PCS
X600	93L 22 68	18.432MHz	1	PCS

	715L1229 C 2	TV2054-2A LCD TV M/B 17	1	PCS
C100	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C101	65L0603470 31	CHIP 47PF 50V NPO	1	PCS
C102	65L0603470 31	CHIP 47PF 50V NPO	1	PCS
C103	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C104	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C105	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C106	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C107	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C108	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C109	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C110	65L0603470 31	CHIP 47PF 50V NPO	1	PCS
C111	65L0603101 31	CHIP 100PF 50V NPO	1	PCS
C112	65L0603101 31	CHIP 100PF 50V NPO	1	PCS
C113	65L0603101 31	CHIP 100PF 50V NPO	1	PCS
C115	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C118	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C119	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C120	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C121	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C122	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C123	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C124	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C125	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C126	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C127	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C128	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C129	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C130	65L0603220 31	CHIP 22PF 50V NPO	1	PCS
C131	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C132	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C134	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C135	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C136	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C137	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C143	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C144	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C145	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C146	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C147	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C148	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C149	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C150	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C151	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C152	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C153	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C154	65L0603471 32	CHIP 470PF 50V X7R	1	PCS

C155	65L0603101 32	100PF +-10% 50V X7R	1	PCS
C156	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C157	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C158	65L0603680 31	CHIP 68PF 50V NPO	1	PCS
C159	65L0603680 31	CHIP 68PF 50V NPO	1	PCS
C160	65L0603680 31	CHIP 68PF 50V NPO	1	PCS
C161	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C162	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C163	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C164	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C165	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C166	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C171	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C173	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C180	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C181	65L0603101 31	CHIP 100PF 50V NPO	1	PCS
C182	65L0603101 31	CHIP 100PF 50V NPO	1	PCS
C200	65L0603152 32	1500PF +-10% 50V X7R 06	1	PCS
C201	65L0603339 31	CAP:CER 3.3+-0.5PF 50V	1	PCS
C202	65L0603339 31	CAP:CER 3.3+-0.5PF 50V	1	PCS
C203	65L0603102 32	1000PF +-10% 50V X7R	1	PCS
C204	67L 312479 6	SMD EC 4.7UF+-20% 35V	1	PCS
C205	65L0805684 17	CHIP 0.68UF 16V Y5V	1	PCS
C206	65L0805684 17	CHIP 0.68UF 16V Y5V	1	PCS
C207	65L0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C208	65L0805684 17	CHIP 0.68UF 16V Y5V	1	PCS
C209	65L0603680 31	CHIP 68PF 50V NPO	1	PCS
C210	65L0603680 31	CHIP 68PF 50V NPO	1	PCS
C211	65L0603680 31	CHIP 68PF 50V NPO	1	PCS
C212	67L 312479 6	SMD EC 4.7UF+-20% 35V	1	PCS
C213	65L0603220 31	CHIP 22PF 50V NPO	1	PCS
C214	65L0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C215	65L0805473 32	CHIP 0.047UF 50V X7R	1	PCS
C216	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C217	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C218	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C219	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C220	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C221	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C223	65L0603683 32	CHIP 0.068UF 50L X7R	1	PCS
C224	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C225	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C226	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C227	65L0603152 32	1500PF +-10% 50V X7R 06	1	PCS
C228	65L0603391 31	CAP:CER 390PF 5%50V SMT	1	PCS
C229	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C230	67L 312101 3	SMD 100UF +-20% 16V	1	PCS

C231	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C232	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C233	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C234	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C235	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C236	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C237	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C238	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C239	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C240	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C241	65L0603680 31	CHIP 68PF 50V NPO	1	PCS
C242	65L0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C246	65L0603820 31	0603 82PF +-5%, 50V NPO	1	PCS
C300	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C301	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C302	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C303	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C304	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C305	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C306	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C307	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C308	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C309	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C310	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C311	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C312	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C313	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C314	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C315	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C316	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C317	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C318	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C319	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C320	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C321	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C322	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C323	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C324	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C325	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C326	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C327	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C328	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C329	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C330	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C331	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C332	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C333	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS

C334	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C335	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C336	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C337	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C338	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C339	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C340	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C341	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C342	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C343	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C344	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C345	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C346	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C347	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C348	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C349	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C350	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C351	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C352	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C353	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C354	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C355	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C356	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C357	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C358	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C360	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C361	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C362	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C364	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C366	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C367	65L0603150 31	CHIP 15PF 50V NPO	1	PCS
C368	65L0603150 31	CHIP 15PF 50V NPO	1	PCS
C369	65L0603330 32	CHIP 33PF 50V X7R	1	PCS
C370	65L0603330 32	CHIP 33PF 50V X7R	1	PCS
C371	67L 312109 7	CAP:1uF/50V,CASE-B	1	PCS
C372	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C373	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C374	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C375	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C376	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C377	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C378	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C380	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C381	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C382	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C383	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C384	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS

C385	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C386	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C387	65L0603220 31	CHIP 22PF 50V NPO	1	PCS
C388	65L0603220 31	CHIP 22PF 50V NPO	1	PCS
C389	65L0603220 31	CHIP 22PF 50V NPO	1	PCS
C390	65L0603220 31	CHIP 22PF 50V NPO	1	PCS
C391	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C396	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C398	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C399	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C400	65L0603682 32	CHIP 0.0068uF 50V X7R	1	PCS
C401	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C402	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C405	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C407	65L0603561 31	CAP:CER 560PF 5%50V SMT	1	PCS
C408	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C409	65L0603683 32	CHIP 0.068UF 50L X7R	1	PCS
C411	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C412	65L0603470 31	CHIP 47PF 50V NPO	1	PCS
C413	65L0603470 31	CHIP 47PF 50V NPO	1	PCS
C414	65L0603470 31	CHIP 47PF 50V NPO	1	PCS
C415	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C500	65L0603822 32	CHIP 0.0082UF 50L X7R	1	PCS
C501	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C502	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C503	65L0603823 32	CHIP 0.082UF 50L X7R	1	PCS
C504	65L0603330 31	33PF+-5% 50V NPO	1	PCS
C505	65L0603474 27	CHIP 0.47UF 25V Y5V 060	1	PCS
C506	65L0603474 27	CHIP 0.47UF 25V Y5V 060	1	PCS
C507	65L0603102 31	CHIP 1000PF 50V NPO	1	PCS
C508	65L0603474 27	CHIP 0.47UF 25V Y5V 060	1	PCS
C509	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C510	65L0603220 31	CHIP 22PF 50V NPO	1	PCS
C511	65L0603101 32	100PF +-10% 50V X7R	1	PCS
C512	65L0603101 32	100PF +-10% 50V X7R	1	PCS
C513	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C514	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C515	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C516	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C517	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C518	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C519	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C520	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C521	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C522	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C523	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C524	67L 312100 3	SMD 10uf +-20% 16V	1	PCS

C525	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C526	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C527	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C528	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C529	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C530	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C531	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C532	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C533	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C534	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C535	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C600	65L0603152 32	1500PF +-10% 50V X7R 06	1	PCS
C601	65L0603339 31	CAP:CER 3.3+-0.5PF 50V	1	PCS
C602	65L0603339 31	CAP:CER 3.3+-0.5PF 50V	1	PCS
C603	65L0603560 31	CHIP 56PF 50V NPO	1	PCS
C604	65L0603560 31	CHIP 56PF 50V NPO	1	PCS
C605	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C606	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C607	65L0603152 32	1500PF +-10% 50V X7R 06	1	PCS
C608	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C609	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C610	67L 312109 7	CAP:1uF/50V,CASE-B	1	PCS
C611	67L 312109 7	CAP:1uF/50V,CASE-B	1	PCS
C612	67L 312109 7	CAP:1uF/50V,CASE-B	1	PCS
C613	67L 312109 7	CAP:1uF/50V,CASE-B	1	PCS
C614	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C615	65L0603152 32	1500PF +-10% 50V X7R 06	1	PCS
C616	65L0603221 31	CAP:CER 220PF 5% 50V SM	1	PCS
C617	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C618	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C619	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C620	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C621	65L0603331 32	CHIP 330PF 50V X7R	1	PCS
C622	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C623	67L 312220 3	SMD 22UF +-20% 16V	1	PCS
C624	67L 312339 7	CAP:3.3uF/50V,CASE-B	1	PCS
C625	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C626	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C627	67L 312109 7	CAP:1uF/50V,CASE-B	1	PCS
C628	65L0603471 32	CHIP 470PF 50V X7R	1	PCS
C629	67L 312109 7	CAP:1uF/50V,CASE-B	1	PCS
C630	65L0603103 32	0.01UF+-10% 50V X7R	1	PCS
C631	65L0603103 32	0.01UF+-10% 50V X7R	1	PCS
C632	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C633	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C634	65L0603561 31	CAP:CER 560PF 5%50V SMT	1	PCS
C635	65L0603561 31	CAP:CER 560PF 5%50V SMT	1	PCS

C636	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C637	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C638	67L 312220 3	SMD 22UF +-20% 16V	1	PCS
C639	65L0603474 27	CHIP 0.47UF 25V Y5V 060	1	PCS
C640	65L0603474 27	CHIP 0.47UF 25V Y5V 060	1	PCS
C641	65L0603472 32	CHIP 4700PF 50V X7R	1	PCS
C642	67L 312229 7	SMD 2.2UF +-20% 50V	1	PCS
C643	67L 312229 7	SMD 2.2UF +-20% 50V	1	PCS
C644	67L311F221 3T	220UF 16V 105 PANASONIC	1	PCS
C645	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C646	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C647	65L0603105 17	1UF 16V Y5V	1	PCS
C648	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C649	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C650	65L0603105 17	1UF 16V Y5V	1	PCS
C651	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C652	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C653	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C654	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C655	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C656	65L0603102 32	1000PF +-10% 50V X7R	1	PCS
C657	65L0603102 32	1000PF +-10% 50V X7R	1	PCS
C658	65L0603102 32	1000PF +-10% 50V X7R	1	PCS
C659	65L0603102 32	1000PF +-10% 50V X7R	1	PCS
C662	65L0603103 32	0.01UF+-10% 50V X7R	1	PCS
C663	65L0603103 32	0.01UF+-10% 50V X7R	1	PCS
C700	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C701	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C702	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C703	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C704	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C705	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C706	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C707	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C708	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C709	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C710	67L 312101 3	SMD 100UF +-20% 16V	1	PCS
C711	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C712	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C713	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C714	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C715	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C716	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C717	67L 312470 3	SMD 47UF +-20% 16V	1	PCS
C718	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C719	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C720	67L 312100 3	SMD 10uf +-20% 16V	1	PCS

C721	67L 312100 3	SMD 10uf +-20% 16V	1	PCS
C722	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C723	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C724	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C725	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
C726	65L0603104 12	0.1UF +-10% 16V X7R	1	PCS
CN101	33L8019 50	CONNECTOR 50P	1	PCS
CP100	65L600M471 8T	Chip Array 470PF 50V+-2	1	PCS
CP102	65L 600220 8T	22PF+-10% 50V 8P NPO SM	1	PCS
CP103	65L 600220 8T	22PF+-10% 50V 8P NPO SM	1	PCS
CP104	65L 600220 8T	22PF+-10% 50V 8P NPO SM	1	PCS
CP105	65L 600220 8T	22PF+-10% 50V 8P NPO SM	1	PCS
CP106	65L 600220 8T	22PF+-10% 50V 8P NPO SM	1	PCS
CP107	65L 600220 8T	22PF+-10% 50V 8P NPO SM	1	PCS
CP600	65L600M471 8T	Chip Array 470PF 50V+-2	1	PCS
D100	93L 6432V	LL4148-GS08	1	PCS
D300	93L 6432V	LL4148-GS08	1	PCS
D500	93L 6433P	BAV99	1	PCS
D501	93L 6433P	BAV99	1	PCS
D502	93L 6433P	BAV99	1	PCS
D503	93L 6432V	LL4148-GS08	1	PCS
D504	93L 6432V	LL4148-GS08	1	PCS
L101	71L 56U601	BEAD	1	PCS
L102	71L 56U601	BEAD	1	PCS
L103	71L 56U601	BEAD	1	PCS
L106	71L 56U601	BEAD	1	PCS
L107	71L 56U601	BEAD	1	PCS
L108	71L 56U601	BEAD	1	PCS
L109	71L 56U601	BEAD	1	PCS
L110	71L 56U601	BEAD	1	PCS
L112	71L 56U601	BEAD	1	PCS
L120	61L0805000	CHIP O OHM 1/8W	1	PCS
L123	61L0805000	CHIP O OHM 1/8W	1	PCS
L126	71L 56U601	BEAD	1	PCS
L127	71L 56U601	BEAD	1	PCS
L128	61L0805000	CHIP O OHM 1/8W	1	PCS
L136	71L 56U601	BEAD	1	PCS
L137	71L 56U601	BEAD	1	PCS
L141	71L 56U601	BEAD	1	PCS
L142	71L 56U601	BEAD	1	PCS
L143	71L 59B121 K	BEAD	1	PCS
L144	71L 59B121 K	BEAD	1	PCS
L145	71L 59B121 K	BEAD	1	PCS
L146	71L 56U601	BEAD	1	PCS
L147	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
L148	71L 59B121 K	BEAD	1	PCS
L149	71L 59B121 K	BEAD	1	PCS

L151	71L 59B121 K	BEAD	1	PCS
L152	71L 59B121 K	BEAD	1	PCS
L153	71L 59B121 K	BEAD	1	PCS
L154	61L0805000	CHIP O OHM 1/8W	1	PCS
L155	61L0805000	CHIP O OHM 1/8W	1	PCS
L200	71L 56G151 B	BEAD	1	PCS
L201	71L 56G151 B	BEAD	1	PCS
L202	71L 56G151 B	BEAD	1	PCS
L203	71L 56G151 B	BEAD	1	PCS
L207	71L 56U601	BEAD	1	PCS
L208	71L 56U601	BEAD	1	PCS
L301	71L 56U601	BEAD	1	PCS
L302	71L 56U601	BEAD	1	PCS
L303	71L 56U601	BEAD	1	PCS
L304	71L 56U601	BEAD	1	PCS
L305	71L 56U601	BEAD	1	PCS
L306	71L 56U601	BEAD	1	PCS
L307	71L 56U601	BEAD	1	PCS
L308	71L 56U601	BEAD	1	PCS
L309	71L 57G601	TI3216JIG601-T17A	1	PCS
L312	71L 56U601	BEAD	1	PCS
L401	71L 56U601	BEAD	1	PCS
L402	61L0805000	CHIP O OHM 1/8W	1	PCS
L500	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
L501	71L 56U601	BEAD	1	PCS
L502	71L 56U601	BEAD	1	PCS
L503	71L 56U601	BEAD	1	PCS
L504	71L 56B500	CHIP BEAD 2*1.2*0.9	1	PCS
L505	71L 56B500	CHIP BEAD 2*1.2*0.9	1	PCS
L506	71L 56B500	CHIP BEAD 2*1.2*0.9	1	PCS
L600	71L 56U601	BEAD	1	PCS
L601	71L 56U601	BEAD	1	PCS
L602	71L 56U601	BEAD	1	PCS
L603	71L 56U601	BEAD	1	PCS
L604	71L 56U601	BEAD	1	PCS
L605	71L 56U601	BEAD	1	PCS
L606	71L 56U601	BEAD	1	PCS
L609	71L 56U601	BEAD	1	PCS
L610	71L 56U601	BEAD	1	PCS
L615	71L 56U601	BEAD	1	PCS
L700	71L 56U601	BEAD	1	PCS
L702	71L 57G601	TI3216JIG601-T17A	1	PCS
L703	71L 57G601	TI3216JIG601-T17A	1	PCS
L704	71L 57G601	TI3216JIG601-T17A	1	PCS
L705	71L 57G601	TI3216JIG601-T17A	1	PCS
L706	71L 57G601	TI3216JIG601-T17A	1	PCS
L708	71L 56U601	BEAD	1	PCS

L709	71L 56U601	BEAD	1	PCS
L710	71L 57G601	TI3216JIG601-T17A	1	PCS
L712	71L 57G601	TI3216JIG601-T17A	1	PCS
LP100	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP101	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP102	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP103	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP104	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP105	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP107	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP108	71L 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
LP110	71L 56A301 8B	CHIP BEAD ARRAY 300 OHM	1	PCS
LP600	71L 56A301 8B	CHIP BEAD ARRAY 300 OHM	1	PCS
Q300	57L 763 2	AO4403 SO-8 BY AOS SMT	1	PCS
Q301	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q302	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q401	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q600	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q700	57L 763 1	A03401 SOT23 BY AOS(A1)	1	PCS
Q701	57L 763 2	AO4403 SO-8 BY AOS SMT	1	PCS
Q702	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q703	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
R1	61L0805000	CHIP O OHM 1/8W	1	PCS
R10	61L0805000	CHIP O OHM 1/8W	1	PCS
R101	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R104	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R105	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R106	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R107	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R108	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R109	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R111	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R112	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R113	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R114	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R115	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R116	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R118	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R119	61L0603100 2F	10K 1% 1/10W	1	PCS
R123	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R124	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R125	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R129	61L0603100 2F	10K 1% 1/10W	1	PCS
R130	61L0603150 2F	CHIPR 15KOHM +-1% 1/10W	1	PCS
R132	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R133	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R2	61L0805000	CHIP O OHM 1/8W	1	PCS

R200	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R201	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R202	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R203	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R204	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R205	61L0603105	CHIPR 1M OHM+-5% 1/10W	1	PCS
R206	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R207	61L0805750	CHIPR 75 OHM +-5% 1/8W	1	PCS
R208	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R209	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R210	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R211	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R213	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R214	61L0603432	4.3K OHM 5% 1/10W	1	PCS
R215	61L0603432	4.3K OHM 5% 1/10W	1	PCS
R216	61L0603432	4.3K OHM 5% 1/10W	1	PCS
R217	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R218	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R219	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R220	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R223	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R224	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R225	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R226	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R230	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R231	61L0603152	CHIPR 1.5KOHM+-5% 1/10W	1	PCS
R232	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R233	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R234	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R3	61L0805000	CHIP O OHM 1/8W	1	PCS
R300	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R301	71L 59B121 K	BEAD	1	PCS
R302	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R303	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R304	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R305	61L0603913	CHIP 91K OHM 1/10W	1	PCS
R306	61L0603152	CHIPR 1.5KOHM+-5% 1/10W	1	PCS
R307	61L0603913	CHIP 91K OHM 1/10W	1	PCS
R308	61L0603912	CHIPR 9.1KOHM +-5% 1/10	1	PCS
R309	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R310	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R311	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R312	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R313	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R314	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R315	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R316	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS

R317	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R318	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R319	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R320	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R321	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R322	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R323	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R324	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R326	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R327	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R328	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R329	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R330	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R333	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R334	61L0603105	CHIPR 1M OHM+-5% 1/10W	1	PCS
R335	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R336	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R337	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R338	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R339	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R341	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R342	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R343	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R344	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R345	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R346	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R347	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R348	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R349	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R350	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R351	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R352	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R353	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R354	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R355	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R356	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R357	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R358	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R359	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R360	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R363	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R364	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R365	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R366	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R367	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R370	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R374	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS

R4	61L0805000	CHIP O OHM 1/8W	1	PCS
R400	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R401	61L0603223	CHIPR 22K OHM +-5% 1/10	1	PCS
R402	61L0603470	CHIPR 47 OHM +-5% 1/10W	1	PCS
R403	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R404	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R405	61L0603223	CHIPR 22K OHM +-5% 1/10	1	PCS
R406	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R408	61L0603682	CHIP 6.8K OHM 1/10W	1	PCS
R412	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R413	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R414	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R415	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R416	61L0805000	CHIP O OHM 1/8W	1	PCS
R5	61L0805000	CHIP O OHM 1/8W	1	PCS
R501	61L0603272	CHIP 2.7K OHM 1/10W	1	PCS
R502	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R503	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R504	61L0603220	CHIPR 22 OHM+-5% 1/10W	1	PCS
R505	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R506	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R507	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R508	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R509	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R510	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R511	61L0603750 9F	75OHM 1% 1/10W	1	PCS
R513	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R514	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R515	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R516	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R6	61L0805000	CHIP O OHM 1/8W	1	PCS
R601	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R602	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R603	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R604	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R605	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R606	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R607	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R608	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R609	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R610	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R611	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R612	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R613	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R614	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R615	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R616	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS

R618	61L0603473	CHIP 47K OHM 1/10W	1	PCS
R619	61L0603316 2F	CHIP 31.6K OHM 1/10W 1%	1	PCS
R620	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R621	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R622	61L0603152	CHIPR 1.5KOHM+-5% 1/10W	1	PCS
R623	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R624	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R625	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R626	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R627	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R628	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R629	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R630	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R631	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R632	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R633	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R634	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R635	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R636	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R637	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R638	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R639	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R640	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R641	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R642	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R645	61L0805000	CHIP O OHM 1/8W	1	PCS
R652	61L0805000	CHIP O OHM 1/8W	1	PCS
R653	61L0805000	CHIP O OHM 1/8W	1	PCS
R654	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R655	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R7	61L0805000	CHIP O OHM 1/8W	1	PCS
R700	61L0603120 0F	CHIPR 120OHM +-1% 1/10W	1	PCS
R701	61L0603473	CHIP 47K OHM 1/10W	1	PCS
R702	61L0603223	CHIPR 22K OHM +-5% 1/10	1	PCS
R703	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R704	61L0603473	CHIP 47K OHM 1/10W	1	PCS
R705	61L0603223	CHIPR 22K OHM +-5% 1/10	1	PCS
R706	61L1206620 0F	CHIP 620 OHM 1/4W 1%	1	PCS
R710	61L0805000	CHIP O OHM 1/8W	1	PCS
R711	61L0805000	CHIP O OHM 1/8W	1	PCS
R712	61L0805000	CHIP O OHM 1/8W	1	PCS
R713	61L0805000	CHIP O OHM 1/8W	1	PCS
R714	61L0805000	CHIP O OHM 1/8W	1	PCS
R715	61L0805000	CHIP O OHM 1/8W	1	PCS
R716	61L0805000	CHIP O OHM 1/8W	1	PCS
R717	61L0805000	CHIP O OHM 1/8W	1	PCS
R8	61L0805000	CHIP O OHM 1/8W	1	PCS

R9	61L0805000	CHIP O OHM 1/8W	1	PCS
R945	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
RN100	61L 125153 8	CHIP ARRAY 15K OHM 1/16	1	PCS
RN101	61L 125333 8	ARRAY 33K OHM 1/16 8P4R	1	PCS
RN105	61L 125000 8	CHIP ARRAY O OHM 1/16	1	PCS
RN300	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN301	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN302	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN303	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN304	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN305	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN306	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN307	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN308	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN309	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN310	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN311	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN312	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN313	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN314	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN315	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN316	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RN317	61L 125220 8	CHIP ARRAY 22 OHM 1/16W	1	PCS
RP200	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP201	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP202	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP203	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP500	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP501	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP502	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP503	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP504	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
RP505	61L 125101 8	CHIP ARRAY 100 OHM 1/16	1	PCS
U100	56V 614 1	74HC4052D	1	PCS
U101	56V 585 9	AP1117E50A SOT-223	1	PCS
U102	56V 625 1	NJM-2244M-TE1	1	PCS
U103	56V 603 2	M61323FP SSOP-36	1	PCS
U105	56V 585 9	AP1117E50A SOT-223	1	PCS
U200	56V 640 1	VPC3230D	1	PCS
U300	56V 562 50	SPV301A PBGA-388	1	PCS
U301	56V 652 1	PCA9554PW TSSOP-16 PHIL	1	PCS
U302	56V 615 8A	GLT5640L16-7TC TSOP-54	1	PCS
U303	56V 615 8A	GLT5640L16-7TC TSOP-54	1	PCS
U304	56V1133 56	M24C16-WMN6T/W SO-8	1	PCS
U310	87L 202 32	PLCC CONN 32PIN	1	PCS
U401	56V 623 1	Z8612912SSC	1	PCS
U500	56V1133 34	M24C02-WMN6T SMT	1	PCS

U501	56V 567 6	AD9883AKST-140	1	PCS
U600	56V 593 6	M62438FP SOP-10	1	PCS
U601	56V 593 4	MSP3425G-QI-B8-V3PMQFP6	1	PCS
U602	56V 535 3	TDA7266D	1	PCS
U603	56V 616 3	PT2308S SO-8	1	PCS
U700	56V 585 4	AIC1117-33CY	1	PCS
U701	56V 585 4	AIC1117-33CY	1	PCS
U702	56V 585 4	AIC1117-33CY	1	PCS
U703	56V 585 5A	AP1117E25A	1	PCS
U704	56V 133 30AAC	AZ1117H-ADJ SOT223	1	PCS
ZD500	93L 39139	MLL752A	1	PCS
ZD501	93L 39139	MLL752A	1	PCS
ZD502	93L 39139	MLL752A	1	PCS
ZD503	93L 39139	MLL752A	1	PCS
PWTV2062AU1				
	PW2062AU1SMT	PWOER BOARD FOR SMT ASS	1	PCS
	40L 45762420A	ID LABEL	1.03	PCS
	705L 20 57 01	Q901 ASS'Y	1	PCS
	705L 20 93 01	D910 ASS'Y	1	PCS
	705L 780 87 15	CN901 ASS'Y	1	PCS
BD901	93L 50460 16	U4KB80R	1	PCS
C101	67L 215102 3H	1000UF +-20% 16V	1	PCS
C108	67L 215102 3H	1000UF +-20% 16V	1	PCS
C201	65L 3J2706ET	27PF +-5% 3KV TDK	1	PCS
C203	67L 215102 3H	1000UF +-20% 16V	1	PCS
C204	67L 215102 3H	1000UF +-20% 16V	1	PCS
C205	65L 3J2706ET	27PF +-5% 3KV TDK	1	PCS
C209	65L 3J2706ET	27PF +-5% 3KV TDK	1	PCS
C218	65L 3J2706ET	27PF +-5% 3KV TDK	1	PCS
C219	65L 3J2706ET	27PF +-5% 3KV TDK	1	PCS
C222	65L 3J2706ET	27PF +-5% 3KV TDK	1	PCS
C903	63L 107474 HS	0.47UF +-10% 250VAC	1	PCS
C904	63L107K224 US	X2 0.22UF 275VAC MPX	1	PCS
C905	67L215S15115K	EC105C 150UF 450V	1	PCS
C914	67L215C102 4K	LOW&E.S.RE.C 105 □	1	PCS
C915	67L215C102 4K	LOW&E.S.RE.C 105 □	1	PCS
C916	67L 215102 3H	1000UF +-20% 16V	1	PCS
C920	67L 215102 3H	1000UF +-20% 16V	1	PCS
C922	65L305M2222B3	C-C220P/250V	1	PCS
C924	65L305M2222B3	C-C220P/250V	1	PCS
CN201	33L8021 2D U	CONN.2P DIP R/A LM401-0	1	PCS
CN202	33L8021 2D U	CONN.2P DIP R/A LM401-0	1	PCS
CN203	33L8021 2D U	CONN.2P DIP R/A LM401-0	1	PCS
CN204	33L8021 2D U	CONN.2P DIP R/A LM401-0	1	PCS
CN205	33L8021 2D U	CONN.2P DIP R/A LM401-0	1	PCS
CN206	33L8021 2D U	CONN.2P DIP R/A LM401-0	1	PCS
CN902	33L800910N H	10P H:6.0/3.0MM	1	PCS

F901	84L 7H200 SL	250V/2A LIHEL FUSE	1	PCS
IC902	56V 139 3A	PC123Y22	1	PCS
L101	73L 253151 LS	CHOKE COIL 45UH	1	PCS
L201	73L 253138 Y	CHOKE	1	PCS
L202	73L 174 39 YS	LINE FILTER	1	PCS
L203	73L 174 39 YS	LINE FILTER	1	PCS
L204	73L 253138 Y	CHOKE	1	PCS
L205	73L 174 39 YS	LINE FILTER	1	PCS
L206	73L 174 39 YS	LINE FILTER	1	PCS
L901	73L 174 31 LS	LINE FILTER	1	PCS
L902	73L 174 29LSH	LINE FILTER	1	PCS
L903	73L 253 91 LS	CHOKE BY LI SHIN	1	PCS
NR901	61L 58050 WT	NTC 5 OHM 5A	1	PCS
PT201	80LL17T 13 DN	XFMR	1	PCS
PT202	80LL17T 13 DN	XFMR	1	PCS
Q205	57L 761 7	KTD1691 DIP BY KEC	1	PCS
Q208	57L 761 7	KTD1691 DIP BY KEC	1	PCS
Q214	57L 761 7	KTD1691 DIP BY KEC	1	PCS
Q216	57L 761 7	KTD1691 DIP BY KEC	1	PCS
R202	61L 208102 64	1KOHM 5% 1W	1	PCS
R204	61L 208102 64	1KOHM 5% 1W	1	PCS
R230	61L 208102 64	1KOHM 5% 1W	1	PCS
R232	61L 208102 64	1KOHM 5% 1W	1	PCS
R903	61L152M10452G	100K OHM 5% 2W	1	PCS
R914	61L152M308 64	0.3 OHM 5% 2W	1	PCS
C102	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C104	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C106	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C107	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C109	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C202	65L0805103 22	CHIP 0.01uF 25V X7R 080	1	PCS
C207	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C208	65L0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C210	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C211	65L0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C212	65L0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C213	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C214	65L0805334 22	0.33UF+-10% 25V X7R 080	1	PCS
C215	65L0805223 22	CHIP 0.022UF 25V X7R 08	1	PCS
C217	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C220	65L0805103 22	CHIP 0.01uF 25V X7R 080	1	PCS
C221	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C224	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C225	65L0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C226	65L0805334 22	0.33UF+-10% 25V X7R 080	1	PCS
C227	65L0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C228	65L0805223 22	CHIP 0.022UF 25V X7R 08	1	PCS

C229	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C231	65L0805475 A5	CHIP 4.7UF 10V X5R	1	PCS
C232	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C233	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C234	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C235	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C236	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C237	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C238	65L0805103 32	10NF/50V/0805/X7R	1	PCS
C239	65L0805103 32	10NF/50V/0805/X7R	1	PCS
C240	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C241	65L0805225 27	2.2UF	1	PCS
C242	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C243	65L0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C245	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C246	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C247	65L0805103 32	10NF/50V/0805/X7R	1	PCS
C908	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C910	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C911	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C912	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C913	65L1206102 72	CHIP 1000PF 500V X7R	1	PCS
C917	65L0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C918	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C923	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
D101	93L8004 2	SBM84	1	PCS
D102	93L 6432V	LL4148-GS08	1	PCS
D202	93L 6433P	BAV99	1	PCS
D203	93L 6432V	LL4148-GS08	1	PCS
D204	93L3004 2	SR34 PAN JIT	1	PCS
D206	93L 6432V	LL4148-GS08	1	PCS
D207	93L 6433P	BAV99	1	PCS
D208	93L 6432V	LL4148-GS08	1	PCS
D209	93L 6433P	BAV99	1	PCS
D210	93L 6433P	BAV99	1	PCS
D212	93L 6432V	LL4148-GS08	1	PCS
D213	93L 6433P	BAV99	1	PCS
D214	93L 6432V	LL4148-GS08	1	PCS
D215	93L3004 2	SR34 PAN JIT	1	PCS
D217	93L 6433P	BAV99	1	PCS
D218	93L 6432V	LL4148-GS08	1	PCS
D219	93L 6433P	BAV99	1	PCS
D220	93L 6433P	BAV99	1	PCS
D223	93L 6432V	LL4148-GS08	1	PCS
D228	93L 6432V	LL4148-GS08	1	PCS
D229	93L 39S 24 T	RLZTE-115.6B ROHM	1	PCS
D903	93L 6432V	LL4148-GS08	1	PCS

D904	93L 6432V	LL4148-GS08	1	PCS
IC101	56V 379 37	FP5001DR	1	PCS
IC201	56V 212 6	LM339D	1	PCS
IC203	56V 212 6	LM339D	1	PCS
IC204	56V 212 6	LM339D	1	PCS
IC205	56V 192 11	LM393MX	1	PCS
IC206	56V 212 5	LM324D	1	PCS
IC901	56V 379 33	SG6841S	1	PCS
Q101	57L 763 3	AO4411 SO-8 BY AOS SMT	1	PCS
Q102	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q103	57L 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q201	57L 763 3	AO4411 SO-8 BY AOS SMT	1	PCS
Q202	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q203	57L 760 4	DTA144WKA BY ROHM SMT(7	1	PCS
Q204	57L 760 5	DTC144WKA BY ROHM SMT(8	1	PCS
Q206	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q207	57L 759 2	RK7002 SOT-23	1	PCS
Q209	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q210	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q211	57L 763 3	AO4411 SO-8 BY AOS SMT	1	PCS
Q212	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q213	57L 759 2	RK7002 SOT-23	1	PCS
Q215	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q217	57L 759 2	RK7002 SOT-23	1	PCS
Q218	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q219	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q220	57L 760 5	DTC144WKA BY ROHM SMT(8	1	PCS
Q221	57L 760 5	DTC144WKA BY ROHM SMT(8	1	PCS
Q222	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q223	57L 760 5	DTC144WKA BY ROHM SMT(8	1	PCS
Q224	57L 760 4	DTA144WKA BY ROHM SMT(7	1	PCS
Q225	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q902	57L 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q903	57L 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
R101	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R102	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R103	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R104	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R105	61L0603333	CHIP 33K OHM 1/10W	1	PCS
R106	61L0603473	CHIP 47K OHM 1/10W	1	PCS
R107	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R108	61L0603150 2F	CHIPR 15KOHM +-1% 1/10W	1	PCS
R109	61L0603360 1F	CHIP 3.6KOHM 1% 1/10W	1	PCS
R110	61L0603272	CHIP 2.7K OHM 1/10W	1	PCS
R111	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R112	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R201	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS

R205	61L0603100 2F	10K 1% 1/10W	1	PCS
R206	61L0603100 2F	10K 1% 1/10W	1	PCS
R207	61L0603680 1F	CHIP 6.8KOHM 1% 1/10W	1	PCS
R208	61L0603160 2F	CHIP 16K OHM 1/10W 1%	1	PCS
R209	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R210	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R2100	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R211	61L0603100 2F	10K 1% 1/10W	1	PCS
R212	61L0603750 1F	RES 7K5 1/10W 1% SMT 06	1	PCS
R213	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R214	61L1206472	CHIP 4.7KOHM 5% 1/4W	1	PCS
R217	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R219	61L0603180 2F	CHIP 18K OHM 1/10W 1%	1	PCS
R221	61L0603272	CHIP 2.7K OHM 1/10W	1	PCS
R224	61L0603180 2F	CHIP 18K OHM 1/10W 1%	1	PCS
R225	61L0603820 1F	RES 8K2 1/10W 1% SMT 06	1	PCS
R228	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R229	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R234	61L0603100 2F	10K 1% 1/10W	1	PCS
R236	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R237	61L0603680 1F	CHIP 6.8KOHM 1% 1/10W	1	PCS
R238	61L0603160 2F	CHIP 16K OHM 1/10W 1%	1	PCS
R239	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R240	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R241	61L0603750 1F	RES 7K5 1/10W 1% SMT 06	1	PCS
R244	61L0603180 2F	CHIP 18K OHM 1/10W 1%	1	PCS
R246	61L0603272	CHIP 2.7K OHM 1/10W	1	PCS
R248	61L0603180 2F	CHIP 18K OHM 1/10W 1%	1	PCS
R251	61L0603820 1F	RES 8K2 1/10W 1% SMT 06	1	PCS
R254	61L0603150 2F	CHIPR 15KOHM +-1% 1/10W	1	PCS
R255	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R256	61L0603515	CHIPR 5.1MOHM +-5% 1/10	1	PCS
R257	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R258	61L0603120 2F	CHIP 12K OHM 1/10W 1%	1	PCS
R259	61L0603120 2F	CHIP 12K OHM 1/10W 1%	1	PCS
R260	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R261	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R262	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R263	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R264	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R265	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R267	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R268	61L0603513	CHIP 51K OHM 1/10W	1	PCS
R271	61L0603100 4F	CHIP 1M OHM 1/10W 1%	1	PCS
R272	61L0603304	CHIP 300KOHM 5% 1/10W	1	PCS
R273	61L0603304	CHIP 300KOHM 5% 1/10W	1	PCS
R274	61L0603470 2F	CHIP 47K OHM 1/10W 1%	1	PCS

R275	61L0603360 2F	chip 36k ohm 1/10w 1%	1	PCS
R279	61L0603303	CHIP 30K OHM 5% 1/10W	1	PCS
R280	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R281	61L0603513	CHIP 51K OHM 1/10W	1	PCS
R282	61L0603204	CHIPR 200KOHM +-5% 1/10	1	PCS
R283	61L0603205	CHIPR 2MOHM +-5% 1/10W	1	PCS
R284	61L0603273	RES 27K 1/10W 5% 0603	1	PCS
R285	61L0603513	CHIP 51K OHM 1/10W	1	PCS
R286	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R288	61L0603150 3F	150K 1/10W 1%	1	PCS
R291	61L0603684	CHIP 680K OHM 1/10W	1	PCS
R292	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R293	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R294	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R295	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R296	61L0603684	CHIP 680K OHM 1/10W	1	PCS
R297	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R298	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R299	61L0603104	CHIPR 100K OHM +-5% 1/1	1	PCS
R901	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R902	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R904	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R906	61L1206754	CHIP 750KOHM 5% 1/4W	1	PCS
R908	61L1206339	CHIP 3.3OHM 1/4W	1	PCS
R910	61L0805000	CHIP O OHM 1/8W	1	PCS
R911	61L0805240 2F	CHIP 24KOHM 1% 1/8W	1	PCS
R912	61L0805203	CHIPR 20KOHM +-5% 1/8W	1	PCS
R915	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R916	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R917	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R918	61L0603472	CHIPR 4.7K OHM +-5% 1/1	1	PCS
R919	61L1206470	CHIP 47OHM 5% 1/4W	1	PCS
R920	61L1206470	CHIP 47OHM 5% 1/4W	1	PCS
R922	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R923	61L0603000	CHIPR 0OHM +-5% 1/10W	1	PCS
R924	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R925	61L0603102	CHIPR 1K OHM +-5% 1/10W	1	PCS
R926	61L0603931 1F	CHIPR 9.31KOHM+-1% 1/10	1	PCS
R927	61L0603243 1F	CHIPR 2.43KOHM+-1% 1/10	1	PCS
R928	61L0805104	CHIPR 100K OHM+-5% 1/8W	1	PCS
R929	61L1206000	CHIPR 0 OHM +-5% 1/4W	1	PCS
R930	61L1206000	CHIPR 0 OHM +-5% 1/4W	1	PCS
ZD901	93L 39S 12 T	RLZ20B BY ROHM	1	PCS
ZD902	93L 39S 17 T	RLZ12B ROHM	1	PCS
	715L1140 1A	PCB	1	PCS
C110	67L215B4713HT	470UF 16V LTR471M1CF11V	1	PCS
C216	64L701J2240AT	0.22UF 50V MEF	1	PCS

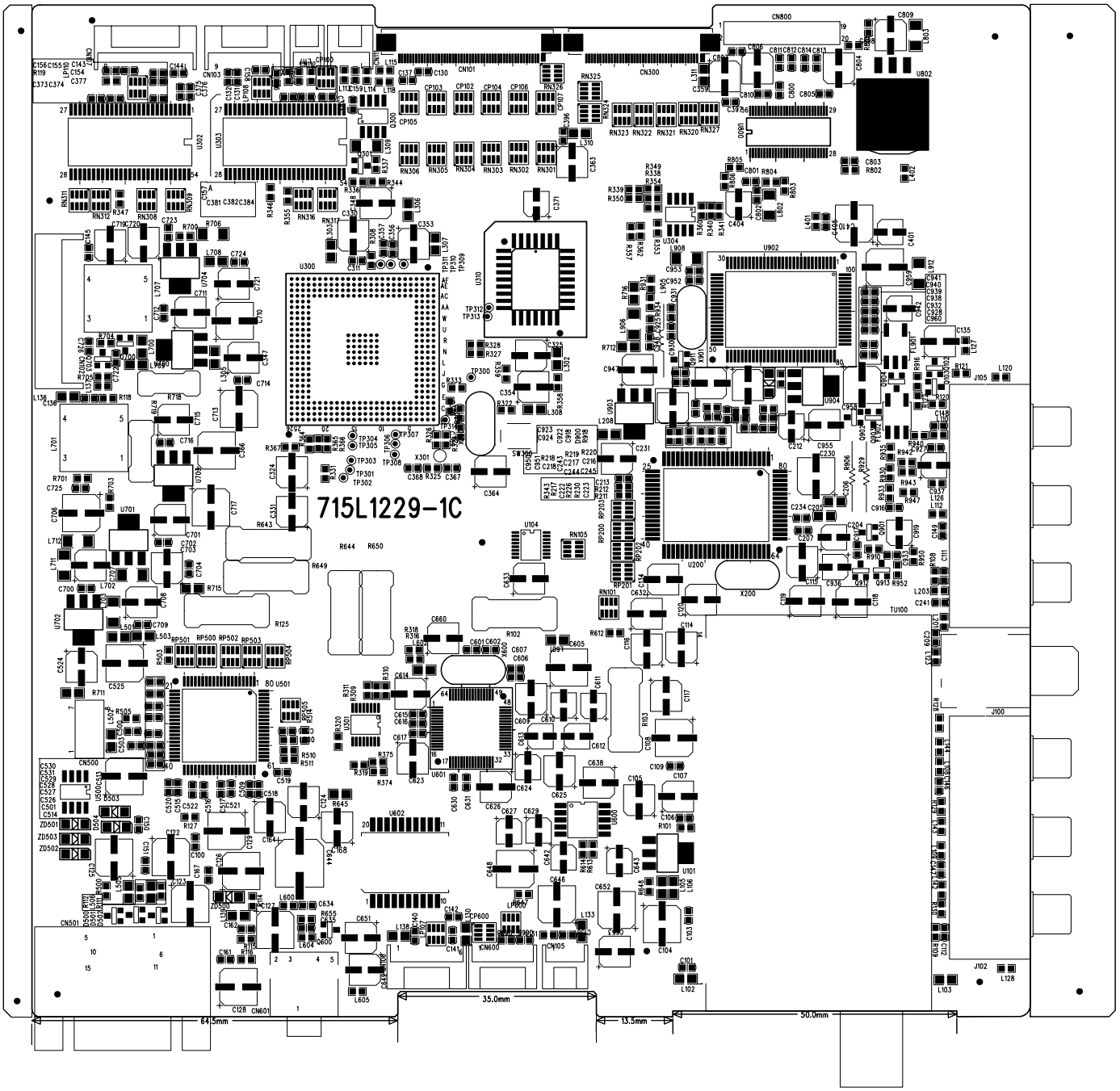
C230	64L701J2240AT	0.22UF 50V MEF	1	PCS
C905	6L 31 4	1.7MM RIVET	2	PCS
C906	65L 1K152 1T	1.5NF/1KV Z5F+-10%	1	PCS
C907	67L 305220 7T	22UF +-20% 50V	1	PCS
CN901	6V 31500	EYELET	2	PCS
D221	93L 64 1152T	1N4148	1	PCS
D222	93L 64 1152T	1N4148	1	PCS
D224	93L 64 1152T	1N4148	1	PCS
D225	93L 64 1152T	1N4148	1	PCS
D226	93L 64 1152T	1N4148	1	PCS
D227	93L 64 1152T	1N4148	1	PCS
D901	93L 6026T52T	RECTIFIER DIODE FR107	1	PCS
D902	93L 6038T52T	FR103	1	PCS
FB101	71L 55 29	FERRITE BEAD	1	PCS
FB901	71L 55 29	FERRITE BEAD	1	PCS
FB902	71L 55 29	FERRITE BEAD	1	PCS
IC202	56V 158 10 T	AZ431AZ-A TO-92	1	PCS
IC903	56V 158 10 T	AZ431AZ-A TO-92	1	PCS
R215	61L 17110252T	1K OHM +-2% 1/4W	1	PCS
R216	61L 17110252T	1K OHM +-2% 1/4W	1	PCS
R218	61L 17110252T	1K OHM +-2% 1/4W	1	PCS
R220	61L 60230352T	30KOHM 5% 1/6W	1	PCS
R222	61L 60143252T	4.3K OHM +-2% 1/6W	1	PCS
R223	61L 60230352T	30KOHM 5% 1/6W	1	PCS
R227	61L 60230352T	30KOHM 5% 1/6W	1	PCS
R242	61L 17110252T	1K OHM +-2% 1/4W	1	PCS
R243	61L 17110252T	1K OHM +-2% 1/4W	1	PCS
R245	61L 17110252T	1K OHM +-2% 1/4W	1	PCS
R247	61L 60230352T	30KOHM 5% 1/6W	1	PCS
R249	61L 60243252T	4.3K OHM 5% 1/6W	1	PCS
R250	61L 60230352T	30KOHM 5% 1/6W	1	PCS
R253	61L 60230352T	30KOHM 5% 1/6W	1	PCS
R269	61L 17110252T	1K OHM +-2% 1/4W	1	PCS
R270	61L 17210152T	100 OHM 5% 1/4W	1	PCS
R278	61L 17230452T	CFR 300KOHM+-5% 1/4W	1	PCS
R287	61L 17210552T	1MEGOHM 5% 1/4W	1	PCS
R289	61L 60110452T	100K OHM +-2% 1/6W	1	PCS
R290	61L 60210352T	CFR 10K OHM+-5% 1/6W	1	PCS
R905	61L 17210552T	1MEGOHM 5% 1/4W	1	PCS
R907	61L 17275452T	750KOHM 5% 1/4W	1	PCS
R909	61L 17210052T	100HM 5% 1/4W	1	PCS
R913	61L 17220352T	20KOHM 5% 1/4W	1	PCS
R921	61L 17224152T	240OHM 5% 1/4W	1	PCS
T901	6V 31502	1.5MM RIVET	4	PCS
ZD101	93L 39 7752T	ZENER HZ5C1	1	PCS
	90V 412 1	HEAT SINK	1	PCS
	M1V1730 10128	SCREW M3x10	1	PCS

Q901	57L 724 4A	STP9NK60ZFP	1	PCS
	90V6078 1	HEAT SINK	1	PCS
	M1V1730 10128	SCREW M3x10	2	PCS
D910	93L 60237	SRF20100C	1	PCS
D911	93L 60237	SRF20100C	1	PCS
	96L 29 6	SHRINK TUBE UL/CSA	1	PCS
CN901	87L 501 19 RF	AC SOCKET	1	PCS
	Q1V1030 12128	SCREW	3	PCS
	HJPFA60A1	HEADPHONE JACK BOARD	1	PCS
	IRPF760A2	LCD TV IR BOARD	1	PCS
	KEPFA60KA5	KEY BOARD	1	PCS
	12L 394 3	RUBBER FOOT	6	PCS
	15V5939 1	BKT BASE	1	PCS
	33V4658 1 C	LENS POWER	1	PCS
	33V4659 1 C	LENS REMOTE	1	PCS
	33V4660 AI L	BUTTON FUNCTION	1	PCS
	33V4676 ED C	LENS WIRELESS	2	PCS
	34V1225 GN L	LOVER STAND-B	1	PCS
	34V1226 GN L	STAND	1	PCS
	34V1227 GN L	BASE-S1	1	PCS
	34V1284 GN L	LOVER STAND-F	1	PCS
	36L 600 6	GIRDDING CLOTH FOR AUDI	6	PCS
	37V 482 1	HINGE	1	PCS
	78L 323 6 L	SPEAKER 80HM 3W	1	PCS
	78L 323 6 R	SPEAKER 80HM 3W	1	PCS
	95L8014 5 25	HARNESS 5P-5P 500MM	1	PCS
	Q1V 130 8120	SCREW	10	PCS
	Q1V 140 20120	SCREW	4	PCS
	Q1V 330 8120	SCREW 3X8mm	2	PCS
	Q1V 330 8120	SCREW 3X8mm	4	PCS
	Q1V 330 8120	SCREW 3X8mm	2	PCS
	Q1V1030 8128	SCREW	8	PCS
	Q1V1030 8128	SCREW	2	PCS
	N34V1222BGM 1A	REAR COVER W/O E D	1	PCS
	N34V1247 GN 1A	BEZEL 20-A1	1	PCS
	95L 900 53	HARNESS	1	PCS
HJPFA60A1				
CN1	33L3802 5H	WAFER 5P RIGHT ANELE PI	1	PCS
J1	88L 302 7T	PHONE JACK	1	PCS
	HJPFA60A1SMT	HEADPHONE JACK BOARD	1	PCS
	715L1290 2	HEAD PHONE JACK BOARD	1	PCS
C1	65L0603102 32	1000PF +-10% 50V X7R	1	PCS
C2	65L0603102 32	1000PF +-10% 50V X7R	1	PCS
FB1	71L 56U601	BEAD	1	PCS
FB2	71L 56U601	BEAD	1	PCS
FB3	71L 56U601	BEAD	1	PCS
FB4	71L 56U601	BEAD	1	PCS

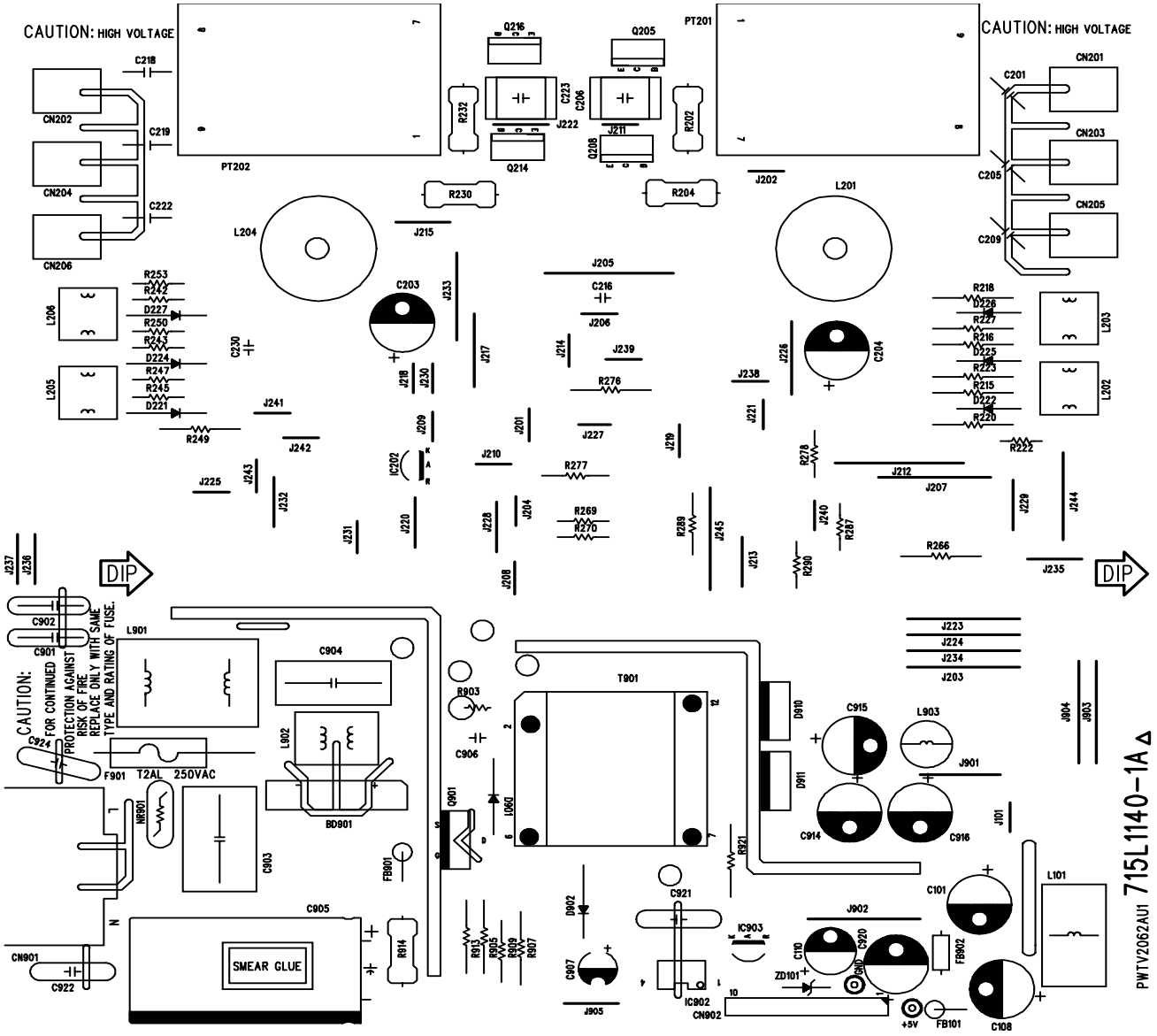
IRPF760A2				
	IRPF760A2SMT	LCD TV IR BRD SMT	1	PCS
	40L 457624 1B	CPU LABEL	1.1	PCS
	95L 900 53	HARNESS	1	PCS
D600	56V 627 3	TSOP4838	1	PCS
D601	81L 12 5	LED	1	PCS
J1	33L3802 4	WAFER EH-4	1	PCS
	715L1108 1B	ir led board	1	PCS
C600	65L0603101 31	CHIP 100PF 50V NPO	1	PCS
C601	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C602	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C603	65L0603104 32	CHIP 0.1UF 50V X7R	1	PCS
FB1	71L 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB2	71L 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB3	71L 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
Q600	57L 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q601	57L 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
R600	61L0603101	CHIPR 100 OHM +-5% 1/10	1	PCS
R601	61L0603301	CHIP 300 OHM 1/10W	1	PCS
R602	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R603	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
R604	61L0603103	CHIPR 10K OHM +-5% 1/10	1	PCS
KEPFA60KA5				
	AIKA60KA5	KEY BOARD	1	PCS
	95L 900 59	HARNESS	1	PCS
CN6	33L3802 4H	WAFER 4P RIGHT ANGLE	1	PCS
S600	77L 600 1GHJ	KEY SWITCH	1	PCS
S601	77L 600 1GHJ	KEY SWITCH	1	PCS
S602	77L 600 1GHJ	KEY SWITCH	1	PCS
S603	77L 600 1GHJ	KEY SWITCH	1	PCS
S604	77L 600 1GHJ	KEY SWITCH	1	PCS
S605	77L 600 1GHJ	KEY SWITCH	1	PCS
S606	77L 600 1GHJ	KEY SWITCH	1	PCS
	715L1169 1	key board for ai	1	PCS
L11	71L 55 8	K5B RH 3.5X4 5X0.8 KING	1	PCS
R11	61L 21022252T	2.2K OHM 1% 1/6W	1	PCS
R12	61L 21036252T	3.6K 1/6W 1%	1	PCS
R13	61L 21047252T	4.7K OHM 1% 1/6W	1	PCS
R2	61L 21010252T	1K OHM 1% 1/6W	1	PCS
R8	61L 21015252T	1.5K OHM 1% 1/6	1	PCS
R9	61L 21018252T	1.8K OHM 1% 1/6W	1	PCS

9. PCB LAYOUT

9-1. Main Board PCB Layout

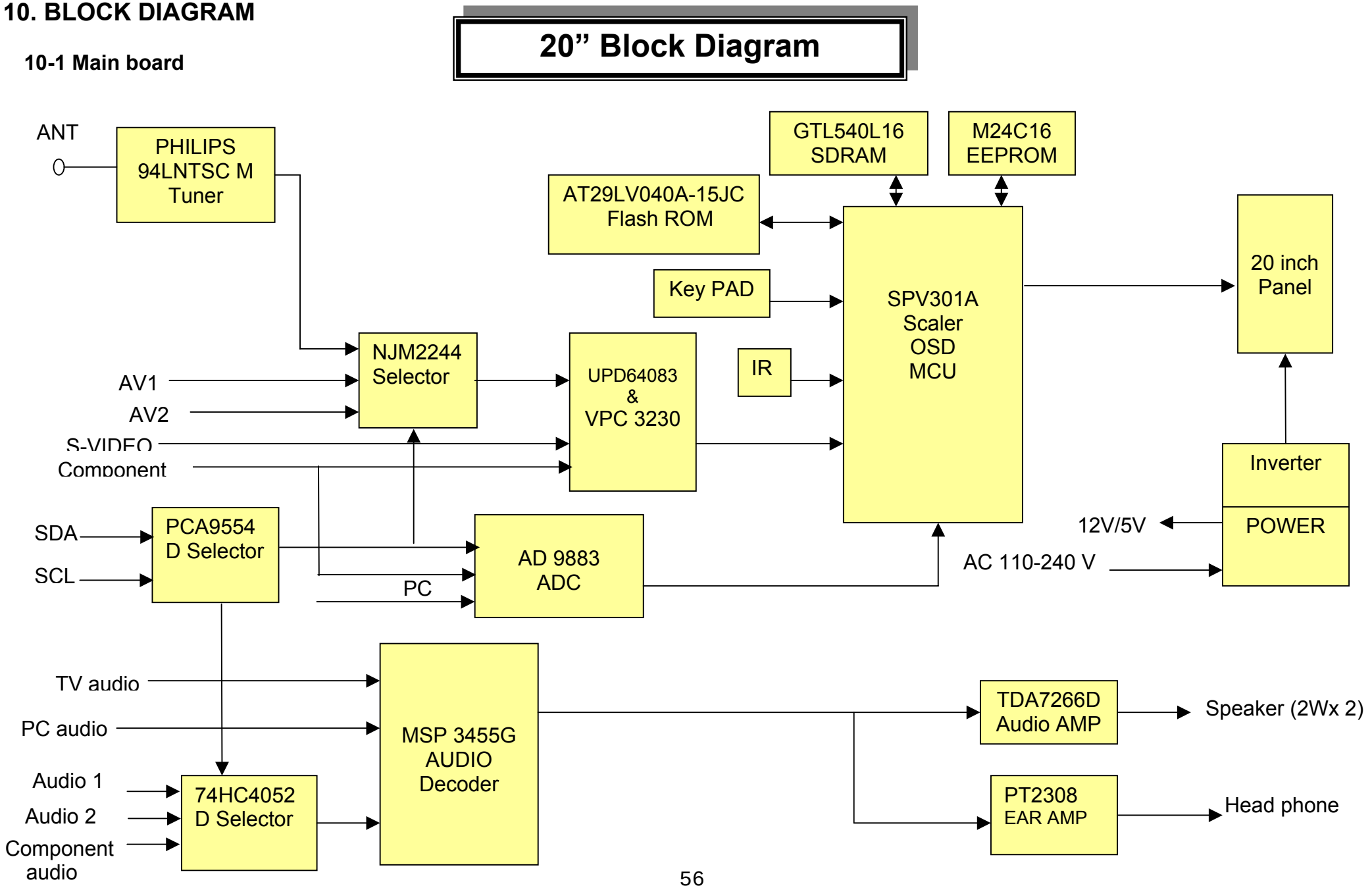


9-2. Power Board PCB Layout

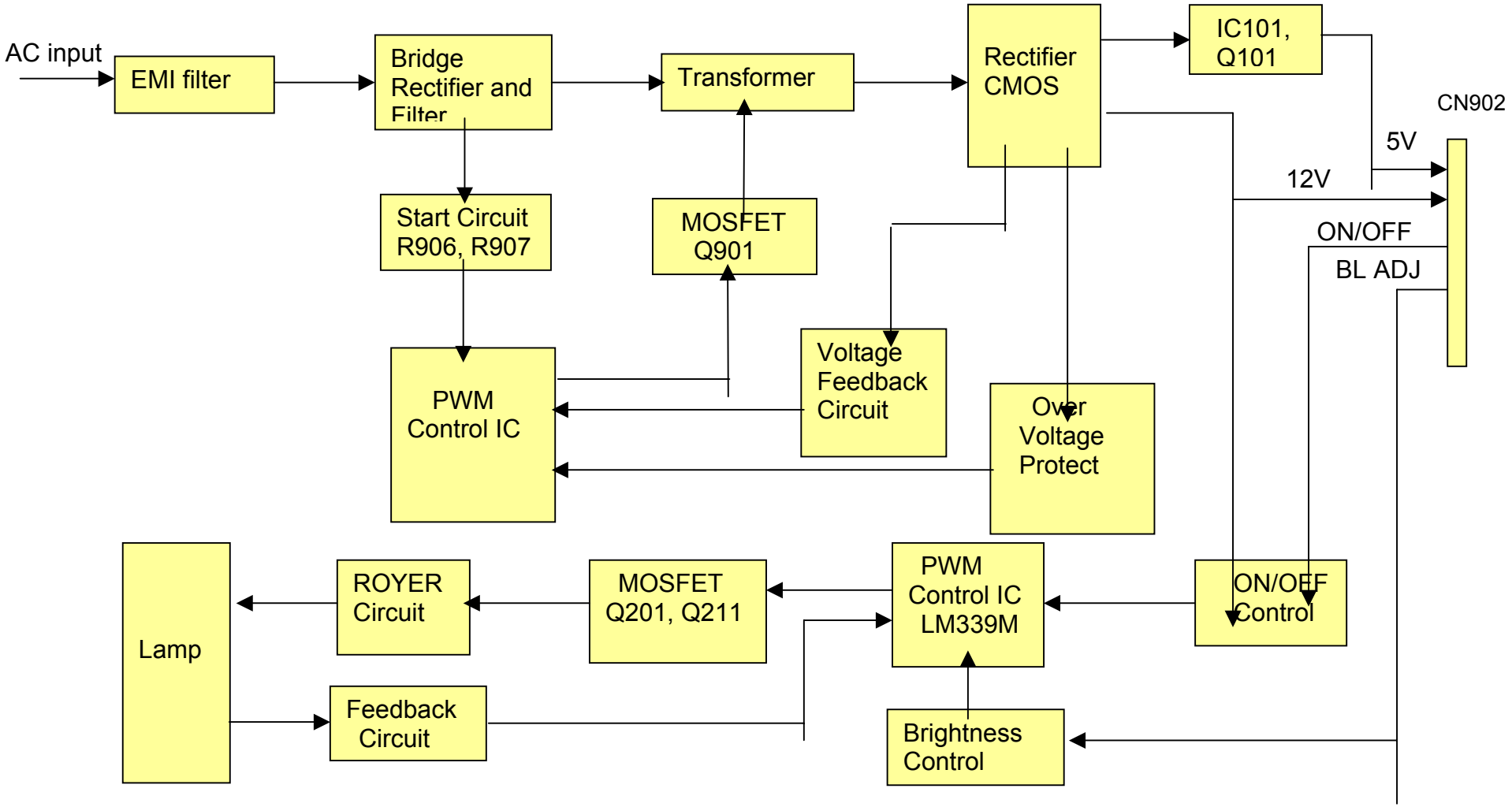


10. BLOCK DIAGRAM

10-1 Main board

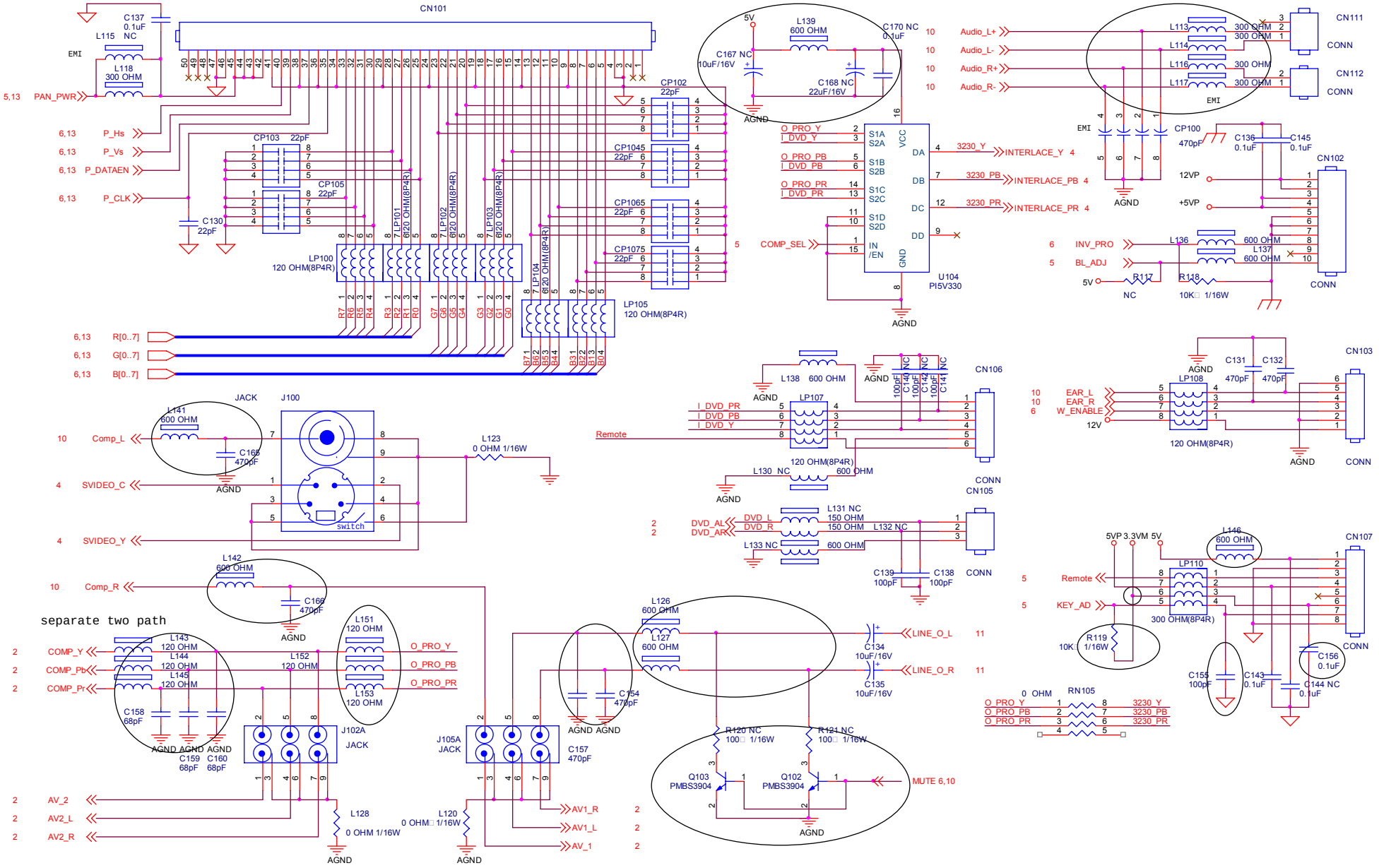


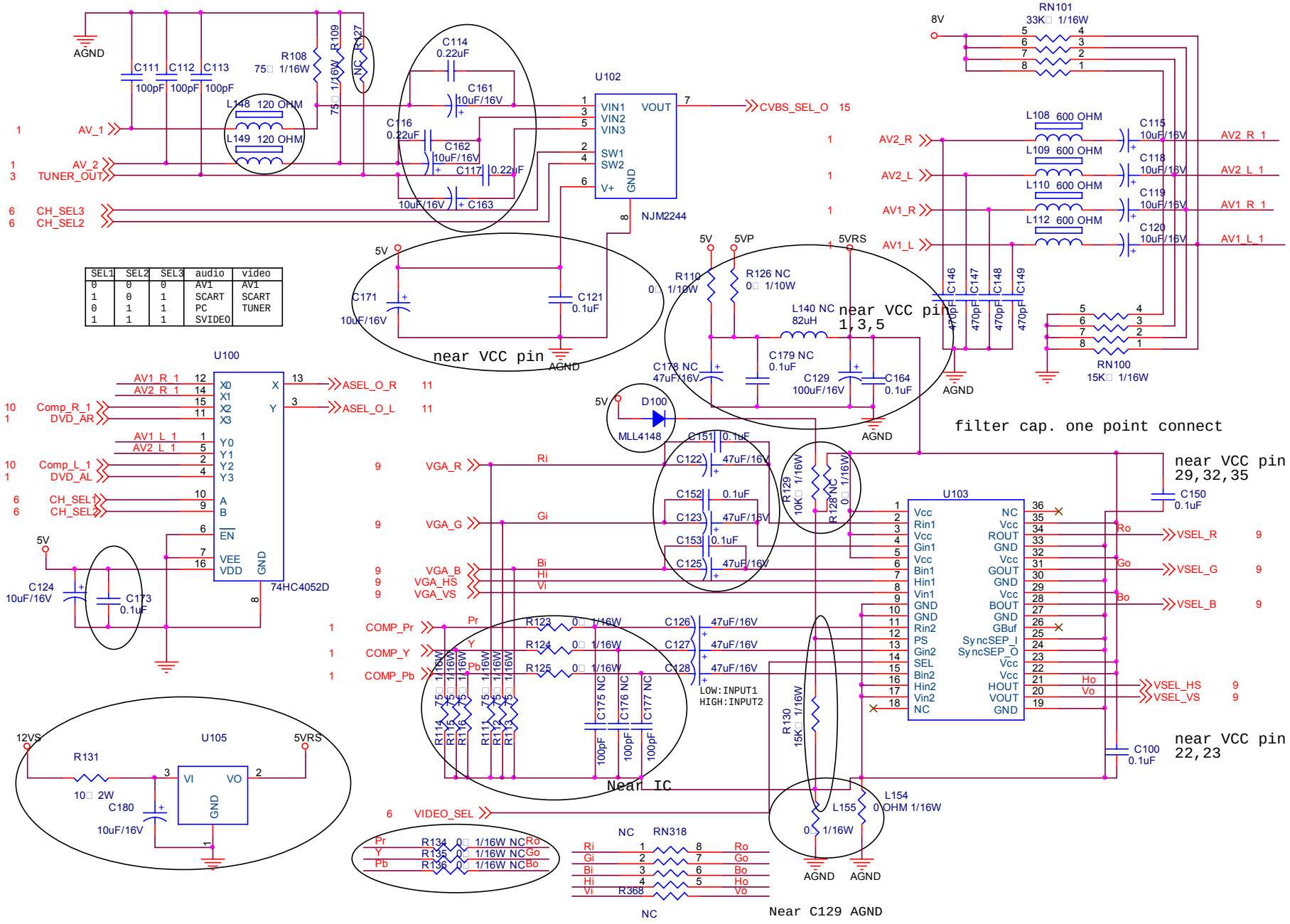
10-2 Power board

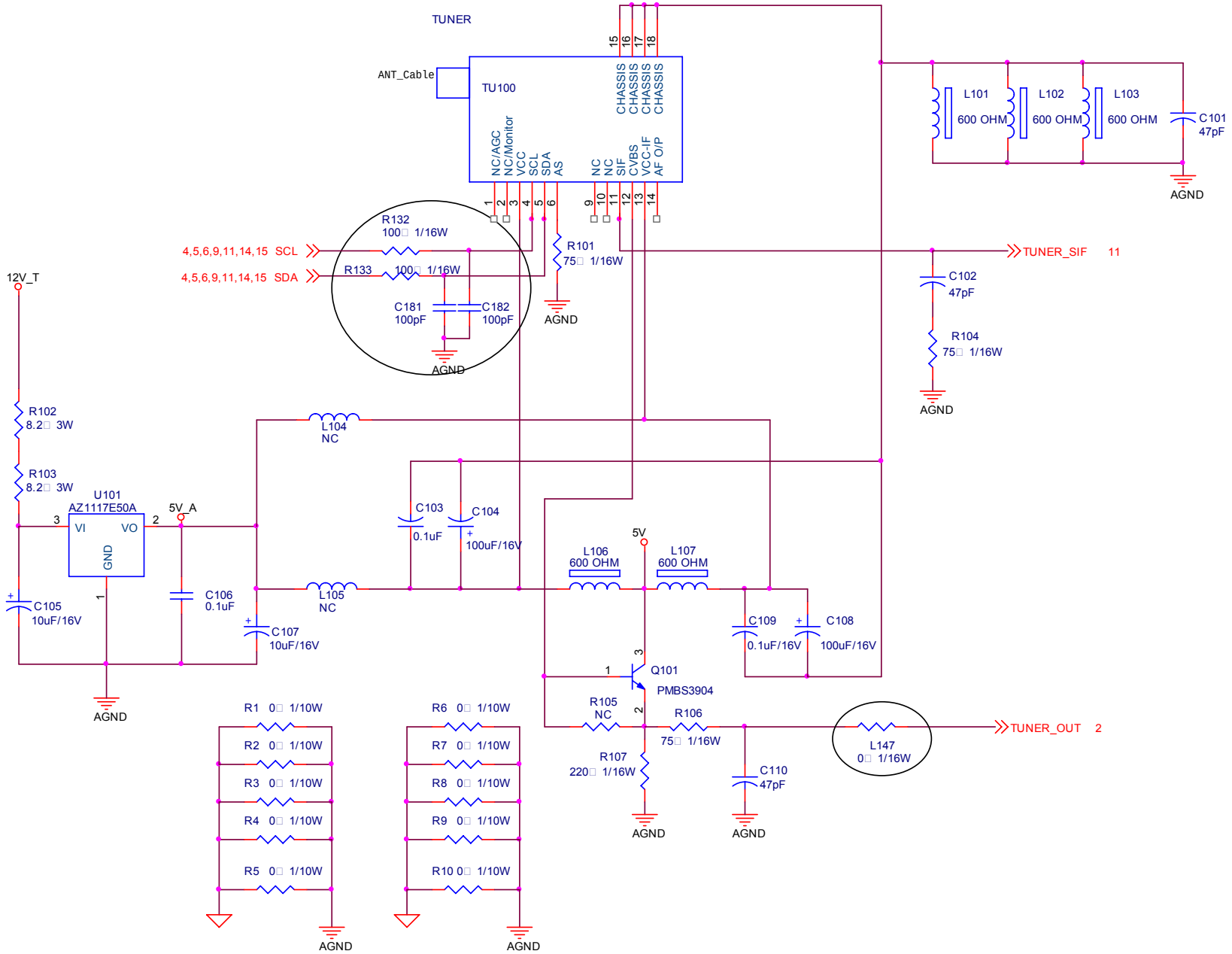


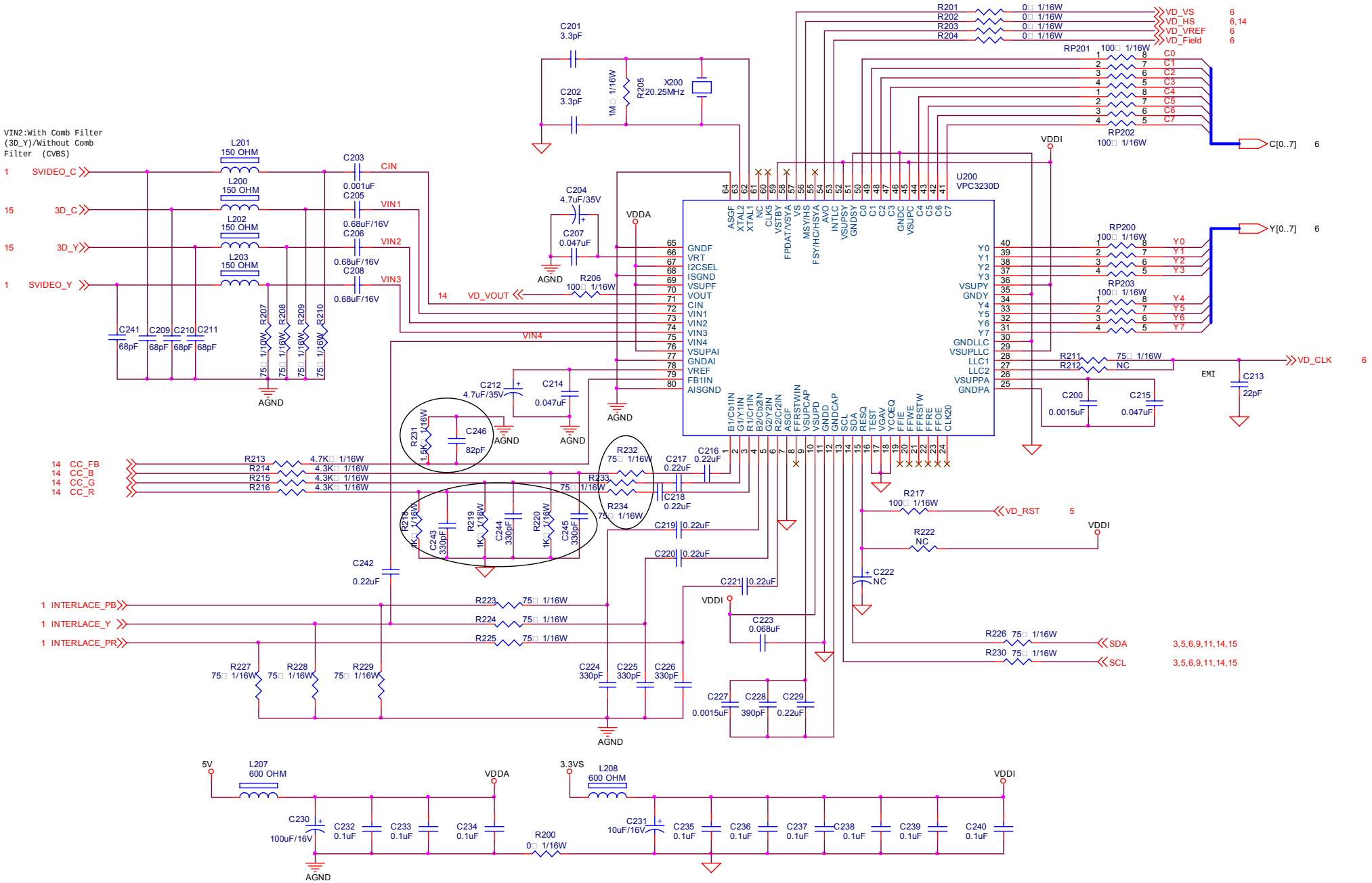
11. SCHEMATIC DIAGRAM (CIRCUIT)

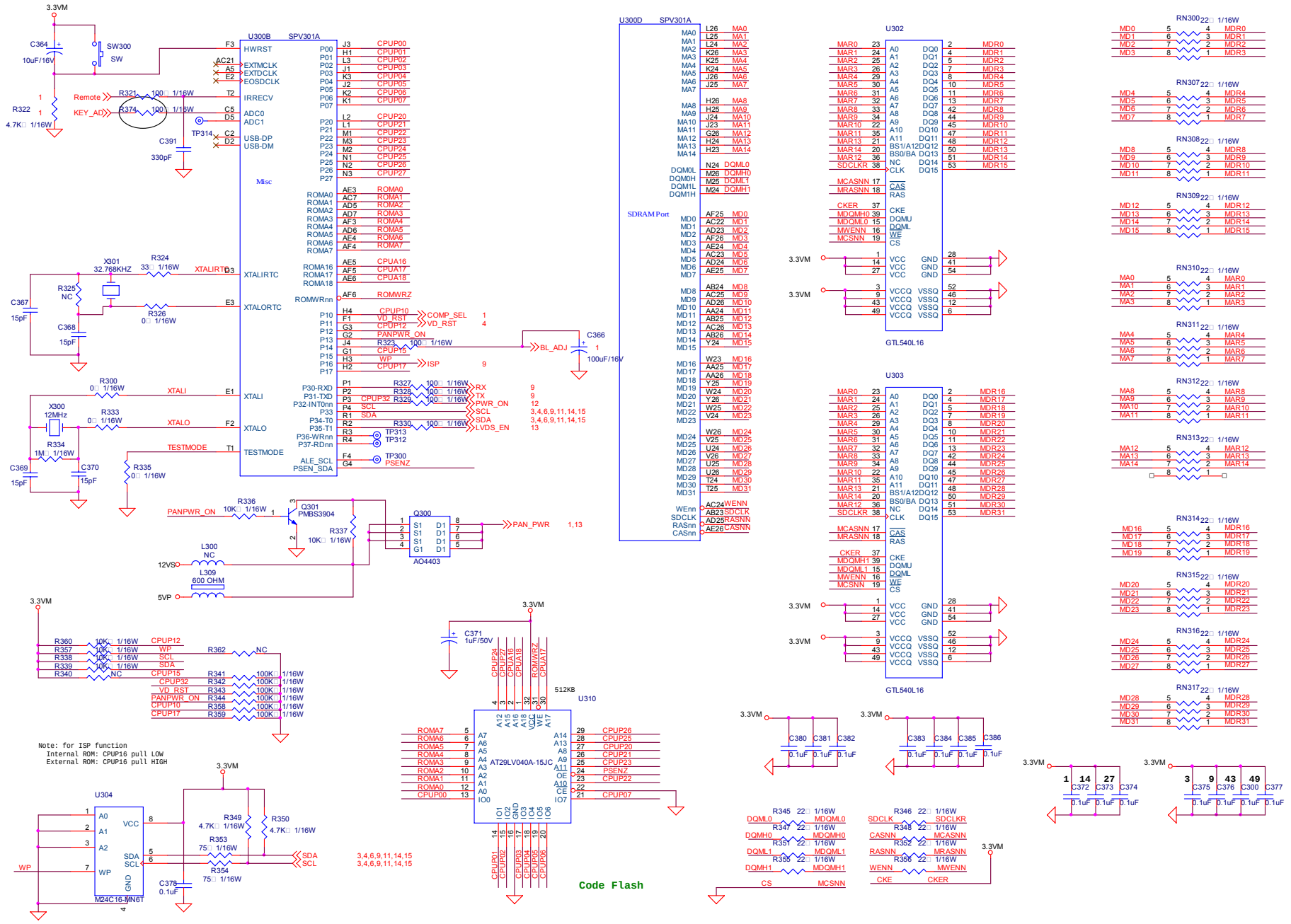
11-1. MAIN BOARD SCHEMATIC DIAGRAM

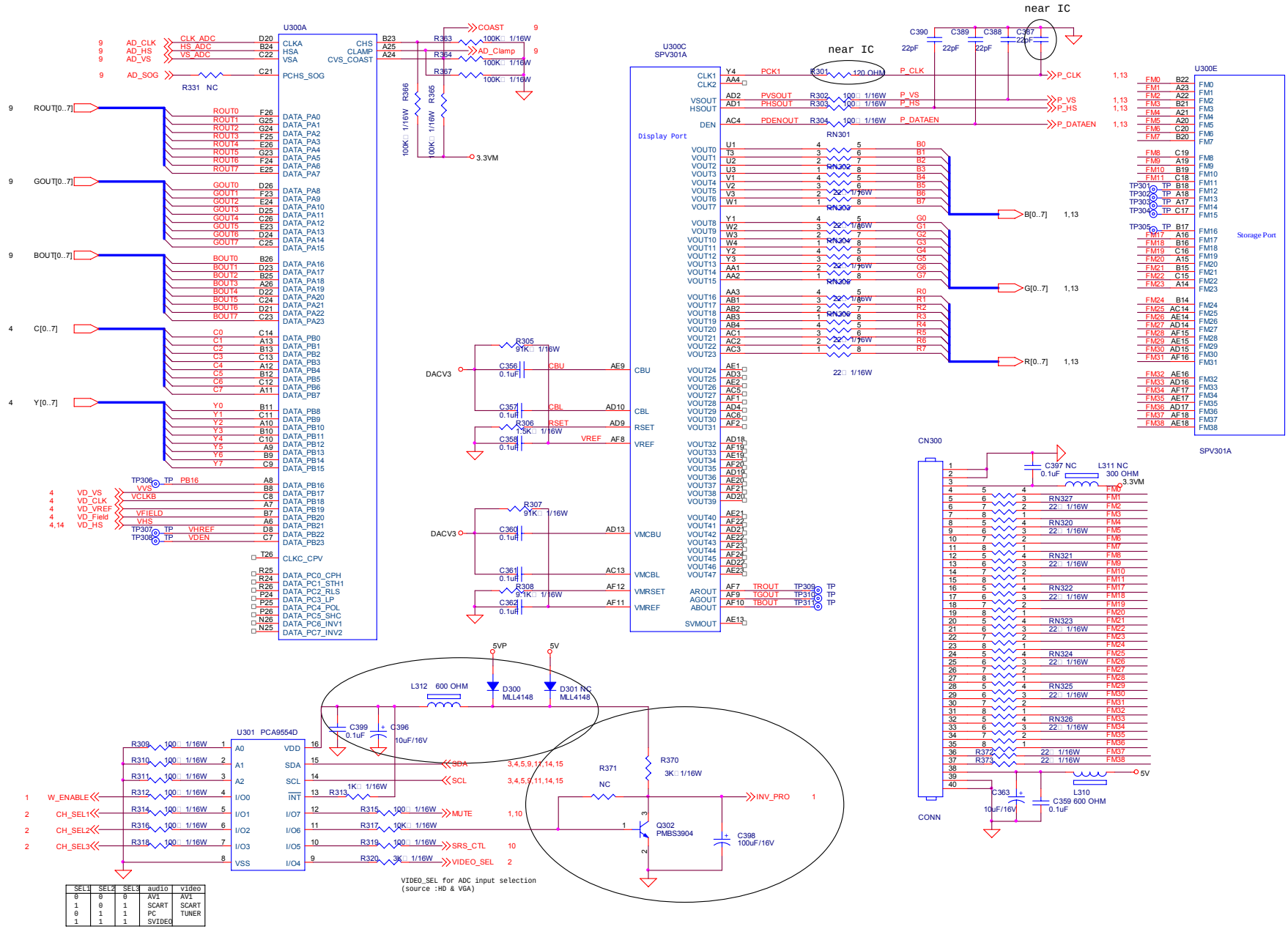

CN101
PAN_PWR
P_Hs
P_Vs
P_DATAEN
P_CLK
R[0..7]
G[0..7]
B[0..7]
U104
PI5V330
COMP_SEL
INTERLACE_Y
INTERLACE_PB
INTERLACE_PR
Audio_L+
Audio_L-
Audio_R+
Audio_R-
CN111
CN112
CONN
CN102
CN103
CN105
CN106
CN107
INV_PRO
BL_ADJ
EAR_L
EAR_R
W_ENABLE
Remote
KEY_AD
Comp_L
Comp_R
SVIDEO_C
SVIDEO_Y
separate two path
COMP_Y
COMP_Pb
COMP_Pr
O_PRO_Y
O_PRO_PB
O_PRO_PR
DVD_AL
DVD_AR
LINE_O_L
LINE_O_R
MUTE 6,10
AV_2
AV2_L
AV2_R
AV1_R
AV1_L
AV_1
JACK
J100
J102A
J105A
Switch
Q103
PMBS3904
Q102
PMBS3904
RN105
AGND
5V
3.3VM
12V
12VP
+5VP
EMI

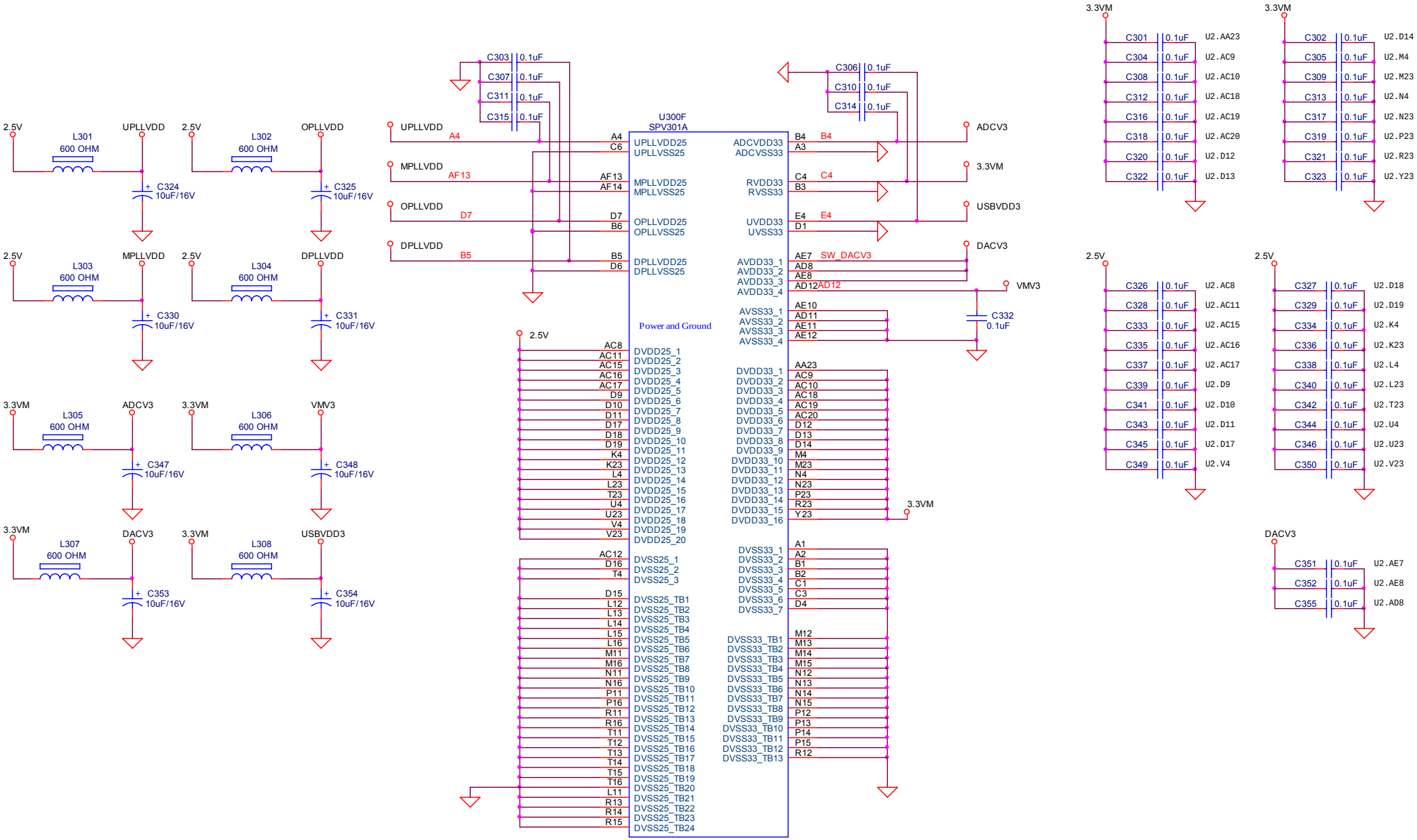

AGND
C111 100pF
C112 100pF
C113 100pF
R108 75Ω 1/16W
R109 75Ω 1/16W
R127 NC
L148 120 OHM
L149 120 OHM
AV_1
AV_2
TUNER_OUT
CH_SEL3
CH_SEL2
C114 0.22uF
C161 10uF/16V
C116 0.22uF
C162 10uF/16V
C117 0.22uF
10uF/16V
C163
U102
VIN1
VIN2
VIN3
SW1
SW2
V+
VOUT
GND
NJM2244
CVBS_SEL_O 15
5V
C171 10uF/16V
C121 0.1uF
near VCC pin
AGND
SEL1 SEL2 SEL3 audio video
0 0 0 AV1 AV1
1 0 1 SCART SCART
0 1 1 PC TUNER
1 1 1 SVIDEO
U100
AV1_R_1
AV2_R_1
Comp_R_1
DVD_AR
AV1_L_1
AV2_L_1
Comp_L_1
DVD_AL
CH_SEL1
CH_SEL2
X0
X1
X2
X3
Y0
Y1
Y2
Y3
A
B
EN
VEE
VDD
GND
X
Y
ASEL_O_R 11
ASEL_O_L 11
74HC4052D
C124 10uF/16V
C173 0.1uF
8V
RN101 33KΩ 1/16W
AV2_R
AV2_L
AV1_R
AV1_L
L108 600 OHM
L109 600 OHM
L110 600 OHM
L112 600 OHM
C115 10uF/16V
C118 10uF/16V
C119 10uF/16V
C120 10uF/16V
AV2_R_1
AV2_L_1
AV1_R_1
AV1_L_1
C146 470pF
C147 470pF
C148 470pF
C149 470pF
RN100 15KΩ 1/16W
5V
5VP
5VRS
R110 0Ω 1/16W
R126 NC 0Ω 1/10W
L140 NC 82uH
near VCC pin 1,3,5
C178 NC 47uF/16V
C179 NC 0.1uF
C129 100uF/16V
C164 0.1uF
D100
MLL4148
filter cap. one point connect
C151 0.1uF
C122 47uF/16V
C152 0.1uF
C123 47uF/16V
C153 0.1uF
C125 47uF/16V
R129 10KΩ 1/16W
R128 NC 0Ω 1/16W
near VCC pin 29,32,35
C150 0.1uF
U103
Vcc
Rin1
Gin1
Bin1
Hin1
Vin1
Rin2
PS
Gin2
SEL
Bin2
Hin2
Vin2
NC
ROUT
GOUT
BOUT
GBuf
SyncSEP_I
SyncSEP_O
HOUT
VOUT
Ro
Go
Bo
Ho
Vo
VSEL_R 9
VSEL_G 9
VSEL_B 9
VSEL_HS 9
VSEL_VS 9
C100 0.1uF
near VCC pin 22,23
VGA_R
VGA_G
VGA_B
VGA_HS
VGA_VS
Ri
Gi
Bi
Hi
Vi
COMP_Pr
COMP_Y
COMP_Pb
Pr
Y
Pb
R123 0Ω 1/16W
R124 0Ω 1/16W
R125 0Ω 1/16W
C126 47uF/16V
C127 47uF/16V
C128 47uF/16V
LOW:INPUT1
HIGH:INPUT2
R111 75Ω 1/16W
R115 75Ω 1/16W
R116 75Ω 1/16W
R112 75Ω 1/16W
R113 75Ω 1/16W
C175 NC
C176 NC
C177 NC
100pF
R130 15KΩ 1/16W
Near IC
L154 0 OHM 1/16W
L155 0Ω 1/16W
AGND
Near C129 AGND
12VS
5VRS
U105
R131 10Ω 2W
C180 10uF/16V
VI
VO
GND
VIDEO_SEL
Pr R134 0Ω 1/16W NC Ro
Y R135 0Ω 1/16W NC Go
Pb R136 0Ω 1/16W NC Bo
NC RN318
R368
NC

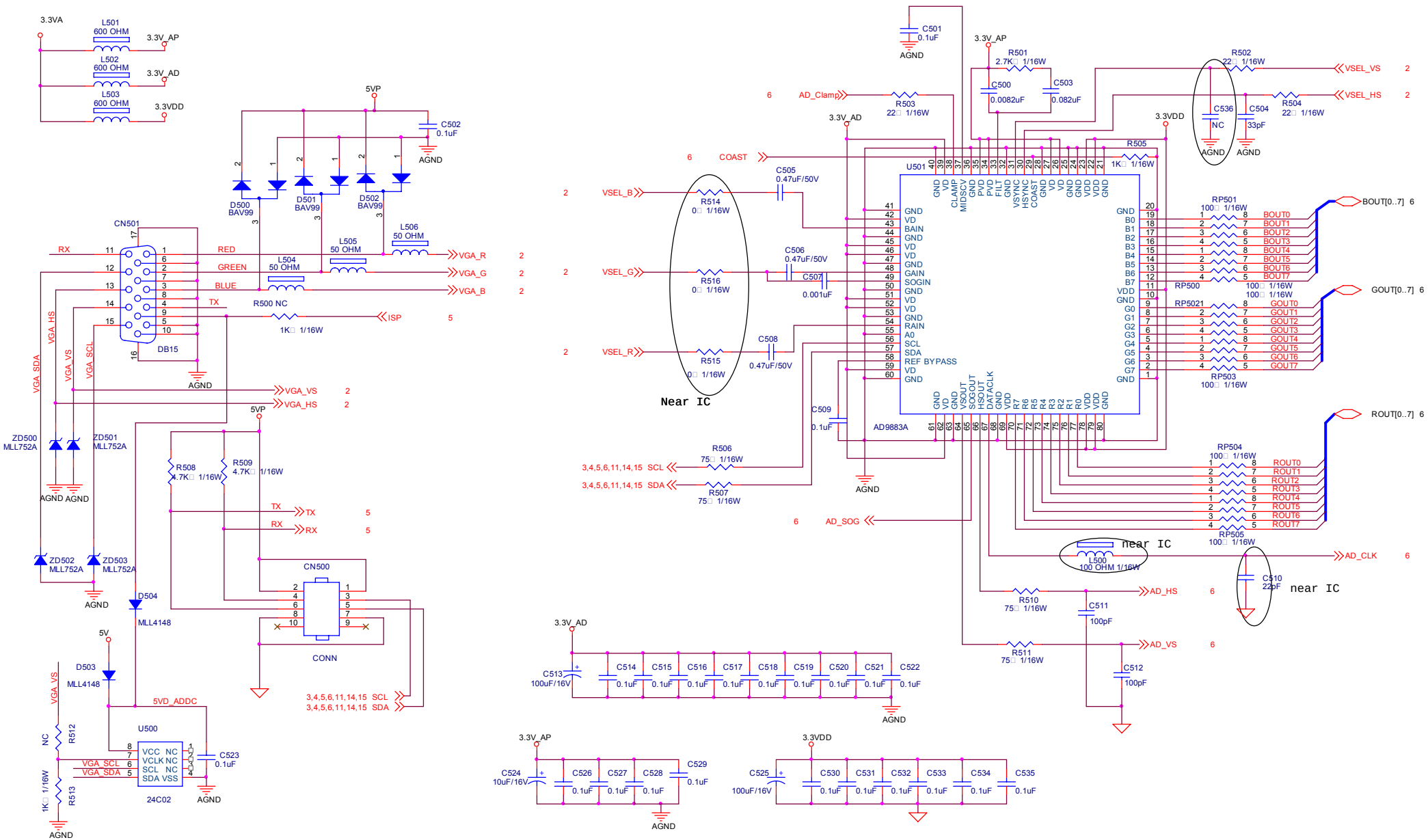

TUNER
ANT_Cable
TU100
CHASSIS
CHASSIS
CHASSIS
CHASSIS
NC/AGC
NC/Monitor
VCC
SCL
SDA
AS
NC
NC
SIF
CVBS
VCC-IF
AF O/P
L101
600 OHM
L102
600 OHM
L103
600 OHM
C101
47pF
AGND
R132
100□ 1/16W
4,5,6,9,11,14,15 SCL
R133
100□ 1/16W
4,5,6,9,11,14,15 SDA
C181
100pF
C182
100pF
R101
75□ 1/16W
TUNER_SIF 11
C102
47pF
R104
75□ 1/16W
12V_T
R102
8.2□ 3W
R103
8.2□ 3W
U101
AZ1117E50A
VI
VO
GND
5V_A
L104
NC
C103
0.1uF
C104
100uF/16V
C105
10uF/16V
C106
0.1uF
C107
10uF/16V
L105
NC
5V
L106
600 OHM
L107
600 OHM
C109
0.1uF/16V
C108
100uF/16V
Q101
PMBS3904
R105
NC
R106
75□ 1/16W
R107
220□ 1/16W
C110
47pF
L147
0□ 1/16W
TUNER_OUT 2
R1 0□ 1/10W
R2 0□ 1/10W
R3 0□ 1/10W
R4 0□ 1/10W
R5 0□ 1/10W
R6 0□ 1/10W
R7 0□ 1/10W
R8 0□ 1/10W
R9 0□ 1/10W
R10 0□ 1/10W

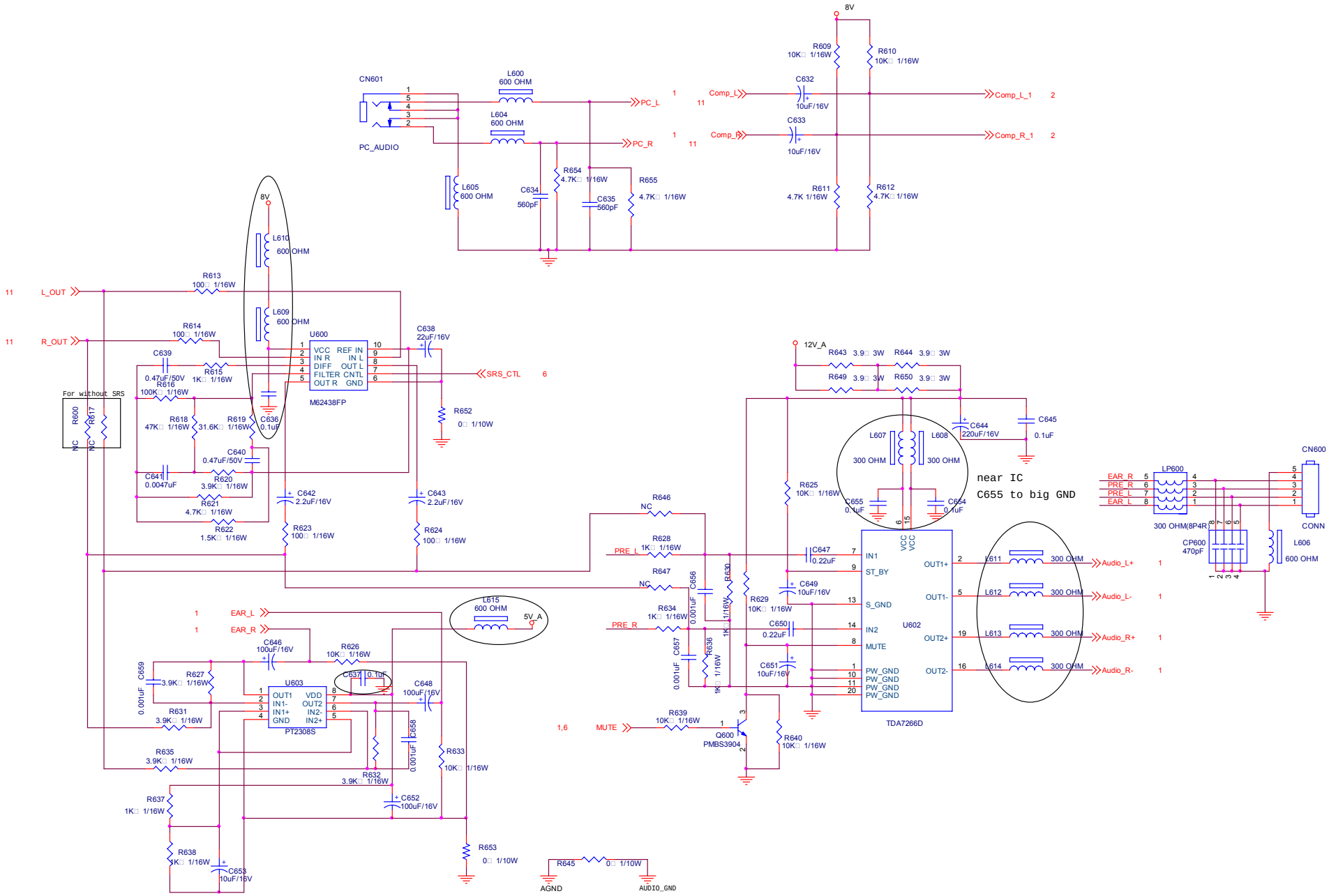

VIN2:With Comb Filter
(3D_Y)/Without Comb
Filter (CVBS)
SVIDEO_C
3D_C
3D_Y
SVIDEO_Y
L201 150 OHM
L200 150 OHM
L202 150 OHM
L203 150 OHM
C203 0.001uF
C205 0.68uF/16V
C206 0.68uF/16V
C208 0.68uF/16V
CIN
VIN1
VIN2
VIN3
VIN4
C241 68pF
C209 68pF
C210 68pF
C211 68pF
R207 75 1/16W
R208 75 1/16W
R209 75 1/16W
R210 75 1/16W
AGND
VD_VOUT
C201 3.3pF
C202 3.3pF
R205 1M 1/16W
X200 20.25MHz
C204 4.7uF/35V
C207 0.047uF
R206 100 1/16W
VDDA
U200 VPC3230D
GNDF
VRT
I2CSEL
ISGND
VSUPF
VOUT
CIN
VIN1
VIN2
VIN3
VIN4
VSUPAI
GNDAI
VREF
FB1IN
AISGND
ASGF XTAL2 XTAL1 NC CLKG VSTBY FPDAT/VSYA VS MSY/HS FSY/HC/HSYA AVC INTLC VSUPSY GNDSY C0 C1 C2 C3 GNDC VSUPC C4 C5 C6 C7
Y0 Y1 Y2 Y3 VSUPY GNDY Y4 Y5 Y6 Y7 GNDLLC VSUPLLC LLC1 LLC2 VSUPPA GNDPA
B1/Cb1IN G1/Y1IN R1/Cr1IN B2/Cb2IN G2/Y2IN R2/Cr2IN ASGF FFRSTWIN VSUPCAP VSUPD GNDD GNDCAP SCL SDA RESQ TEST VGAV YCOEQ FFIE FFWE FFRSTW FFRE FFOE CLK20
R201 0 1/16W
R202 0 1/16W
R203 0 1/16W
R204 0 1/16W
VD_VS 6
VD_HS 6,14
VD_VREF 6
VD_Field 6
RP201 100 1/16W
RP202 100 1/16W
C[0..7] 6
RP200 100 1/16W
RP203 100 1/16W
Y[0..7] 6
R211 75 1/16W
R212 NC
VD_CLK 6
EMI
C213 22pF
C200 0.0015uF
C215 0.047uF
C212 4.7uF/35V
C214 0.047uF
R231 1.5K 1/16W
C246 82pF
R213 4.7K 1/16W
R214 4.3K 1/16W
R215 4.3K 1/16W
R216 4.3K 1/16W
CC_FB
CC_B
CC_G
CC_R
R232 75 1/16W
R233 75 1/16W
R234 75 1/16W
C216 0.22uF
C217 0.22uF
C218 0.22uF
C219 0.22uF
C220 0.22uF
C221 0.22uF
R217 100 1/16W
VD_RST 5
R222 NC
C222 NC
C223 0.068uF
R218 1K 1/16W
R219 1K 1/16W
R220 1K 1/16W
C243 330pF
C244 330pF
C245 330pF
C242 0.22uF
INTERLACE_PB
INTERLACE_Y
INTERLACE_PR
R223 75 1/16W
R224 75 1/16W
R225 75 1/16W
R226 75 1/16W
R230 75 1/16W
SDA 3,5,6,9,11,14,15
SCL 3,5,6,9,11,14,15
R227 75 1/16W
R228 75 1/16W
R229 75 1/16W
C224 330pF
C225 330pF
C226 330pF
C227 0.0015uF
C228 390pF
C229 0.22uF
5V
L207 600 OHM
3.3VS
L208 600 OHM
VDDI
C230 100uF/16V
C231 10uF/16V
C232 0.1uF
C233 0.1uF
C234 0.1uF
C235 0.1uF
C236 0.1uF
C237 0.1uF
C238 0.1uF
C239 0.1uF
C240 0.1uF
R200 0 1/16W

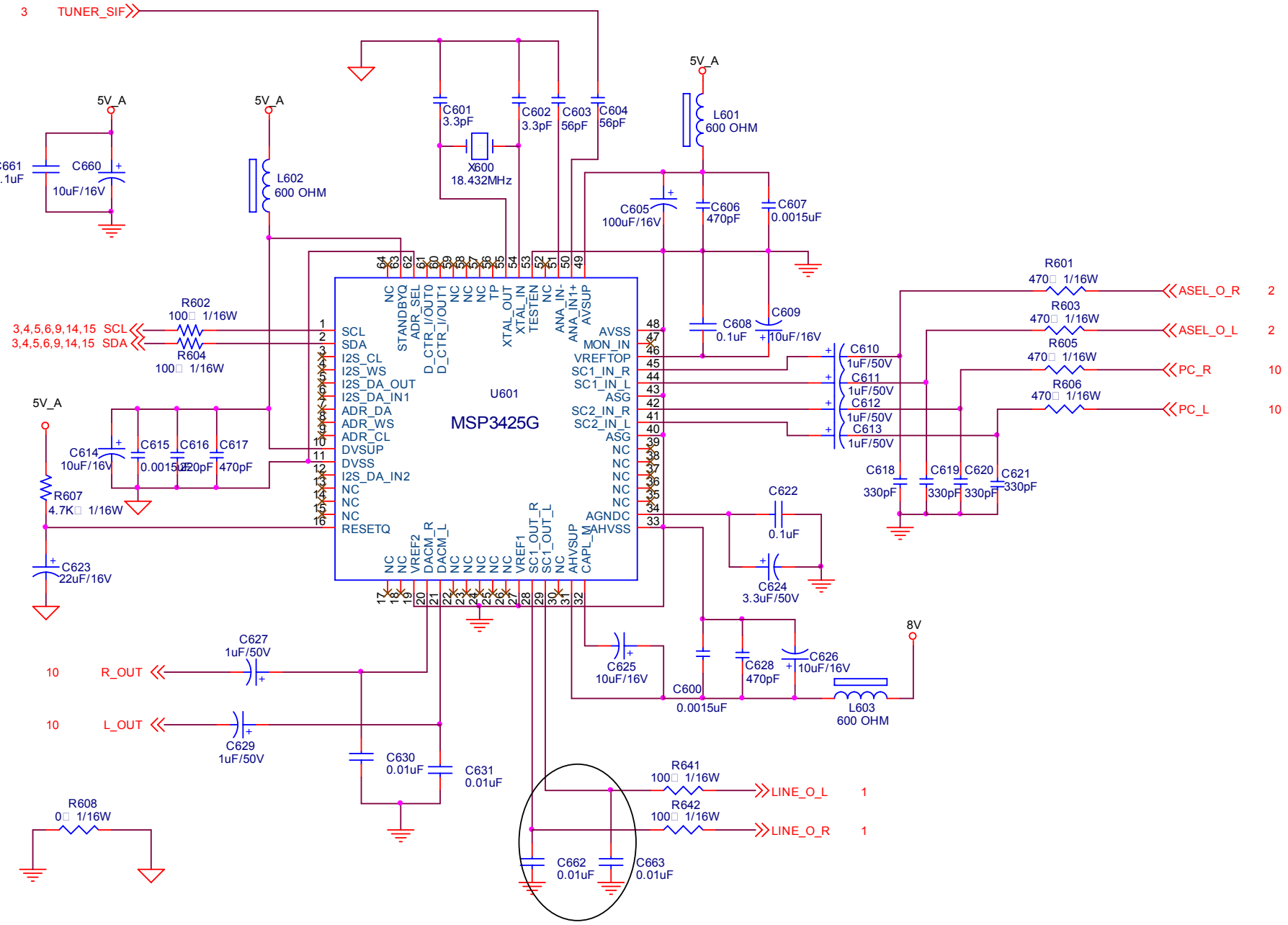

U300B SPV301A
U300D SPV301A
SDRAM Port
U302
U303
GTL540L16
U304
M24C16-WN6T
U310
AT29LV040A-15JC
512KB
Code Flash
Misc
Remote
KEY_AD
SW300
SW
PANPWR_ON
PAN_PWR
BL_ADJ
ISP
Note: for ISP function
Internal ROM: CPUP16 pull LOW
External ROM: CPUP16 pull HIGH

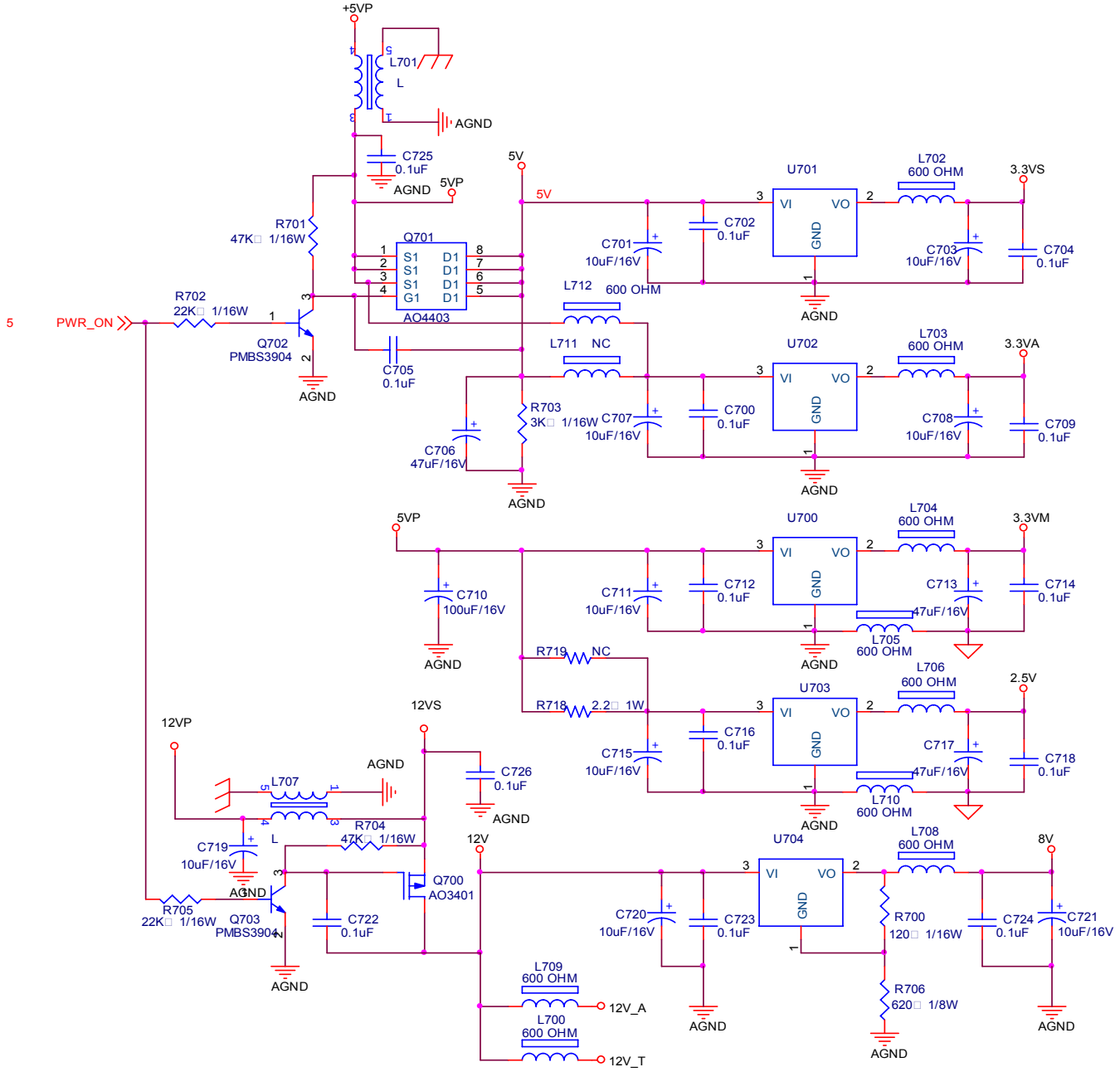

U300A
U300C
SPV301A
Display Port
near IC
near IC
U300E
Storage Port
SPV301A
CN300
CONN
U301 PCA9554D
ROUT[0..7]
GOUT[0..7]
BOUT[0..7]
C[0..7]
Y[0..7]
AD_CLK
AD_HS
AD_VS
AD_SOG
CLK_ADC
HS_ADC
VS_ADC
PCHS_SOG
NC
CHS
CLAMP
CVS_COAST
COAST
AD_Clamp
3.3VM
DATA_PA0
DATA_PA1
DATA_PA2
DATA_PA3
DATA_PA4
DATA_PA5
DATA_PA6
DATA_PA7
DATA_PA8
DATA_PA9
DATA_PA10
DATA_PA11
DATA_PA12
DATA_PA13
DATA_PA14
DATA_PA15
DATA_PA16
DATA_PA17
DATA_PA18
DATA_PA19
DATA_PA20
DATA_PA21
DATA_PA22
DATA_PA23
DATA_PB0
DATA_PB1
DATA_PB2
DATA_PB3
DATA_PB4
DATA_PB5
DATA_PB6
DATA_PB7
DATA_PB8
DATA_PB9
DATA_PB10
DATA_PB11
DATA_PB12
DATA_PB13
DATA_PB14
DATA_PB15
DATA_PB16
DATA_PB17
DATA_PB18
DATA_PB19
DATA_PB20
DATA_PB21
DATA_PB22
DATA_PB23
CLKC_CPV
DATA_PC0_CPH
DATA_PC1_STH1
DATA_PC2_RLS
DATA_PC3_LP
DATA_PC4_POL
DATA_PC5_SHC
DATA_PC6_INV1
DATA_PC7_INV2
VD_VS
VD_CLK
VD_VREF
VD_Field
VD_HS
VCLKB
VFIELD
VHS
VHREF
VDEN
DACV3
CBU
CBL
RSET
VREF
VMCBU
VMCBL
VMRSET
VMREF
SVMOUT
PCK1
PVSOUT
PHSOUT
PDENOUT
P_CLK
P_VS
P_HS
P_DATAEN
B[0..7]
G[0..7]
R[0..7]
FM0
FM1
FM2
FM3
FM4
FM5
FM6
FM7
FM8
FM9
FM10
FM11
FM12
FM13
FM14
FM15
FM16
FM17
FM18
FM19
FM20
FM21
FM22
FM23
FM24
FM25
FM26
FM27
FM28
FM29
FM30
FM31
FM32
FM33
FM34
FM35
FM36
FM37
FM38
5VP
5V
L312 600 OHM
D300 MLL4148
D301 NC MLL4148
C399 0.1uF
C396 10uF/16V
W_ENABLE
CH_SEL1
CH_SEL2
CH_SEL3
SDA
SCL
MUTE
SRS_CTL
VIDEO_SEL
INV_PRO
Q302 PMBS3904
R370 3K 1/16W
R371 NC
C398 100uF/16V
VIDEO_SEL for ADC input selection
(source :HD & VGA)
L311 NC 300 OHM
C397 NC 0.1uF
L310
C359 600 OHM 0.1uF
C363 10uF/16V
SEL1 SEL2 SEL3 audio video
0 0 0 AV1 AV1
1 0 1 SCART SCART
0 1 1 PC TUNER
1 1 1 SVIDEO


U300F
SPV301A
Power and Ground
UPLLVDD
OPLLVDD
MPLLVDD
DPLLVDD
ADCV3
3.3VM
USBVDD3
DACV3
VMV3
2.5V
L301 600 OHM
L302 600 OHM
L303 600 OHM
L304 600 OHM
L305 600 OHM
L306 600 OHM
L307 600 OHM
L308 600 OHM
C324 10uF/16V
C325 10uF/16V
C330 10uF/16V
C331 10uF/16V
C347 10uF/16V
C348 10uF/16V
C353 10uF/16V
C354 10uF/16V
C303 0.1uF
C307 0.1uF
C311 0.1uF
C315 0.1uF
C306 0.1uF
C310 0.1uF
C314 0.1uF
C332 0.1uF
C301 0.1uF U2.AA23
C304 0.1uF U2.AC9
C308 0.1uF U2.AC10
C312 0.1uF U2.AC18
C316 0.1uF U2.AC19
C318 0.1uF U2.AC20
C320 0.1uF U2.D12
C322 0.1uF U2.D13
C302 0.1uF U2.D14
C305 0.1uF U2.M4
C309 0.1uF U2.M23
C313 0.1uF U2.N4
C317 0.1uF U2.N23
C319 0.1uF U2.P23
C321 0.1uF U2.R23
C323 0.1uF U2.Y23
C326 0.1uF U2.AC8
C328 0.1uF U2.AC11
C333 0.1uF U2.AC15
C335 0.1uF U2.AC16
C337 0.1uF U2.AC17
C339 0.1uF U2.D9
C341 0.1uF U2.D10
C343 0.1uF U2.D11
C345 0.1uF U2.D17
C349 0.1uF U2.V4
C327 0.1uF U2.D18
C329 0.1uF U2.D19
C334 0.1uF U2.K4
C336 0.1uF U2.K23
C338 0.1uF U2.L4
C340 0.1uF U2.L23
C342 0.1uF U2.T23
C344 0.1uF U2.U4
C346 0.1uF U2.U23
C350 0.1uF U2.V23
C351 0.1uF U2.AE7
C352 0.1uF U2.AE8
C355 0.1uF U2.AD8


3.3VA
L501 600 OHM
L502 600 OHM
L503 600 OHM
3.3V_AP
3.3V_AD
3.3VDD
5VP
C502 0.1uF
AGND
D500 BAV99
D501 BAV99
D502 BAV99
CN501
DB15
RX
RED
GREEN
BLUE
TX
L504 50 OHM
L505 50 OHM
L506 50 OHM
VGA_R
VGA_G
VGA_B
R500 NC
1K 1/16W
ISP
VGA_HS
VGA_VS
VGA_SCL
VGA_SDA
ZD500 MLL752A
ZD501 MLL752A
ZD502 MLL752A
ZD503 MLL752A
R508 4.7K 1/16W
R509 4.7K 1/16W
D504 MLL4148
D503 MLL4148
5V
5VD_ADDC
CN500
CONN
3,4,5,6,11,14,15 SCL
3,4,5,6,11,14,15 SDA
U500
24C02
VCC NC
VCLK NC
SCL NC
SDA VSS
C523 0.1uF
R512
R513
C501 0.1uF
AD_Clamp
R503 22 1/16W
R501 2.7K 1/16W
C500 0.0082uF
C503 0.082uF
R502 22 1/16W
C536 NC
C504 33pF
R504 22 1/16W
VSEL_VS
VSEL_HS
COAST
VSEL_B
VSEL_G
VSEL_R
R514 0 1/16W
R516 0 1/16W
R515 0 1/16W
C505 0.47uF/50V
C506 0.47uF/50V
C507 0.001uF
C508 0.47uF/50V
Near IC
U501
AD9883A
R505 1K 1/16W
RP501 100 1/16W
RP500 100 1/16W
RP5021
RP503 100 1/16W
BOUT[0..7]
GOUT[0..7]
C509 0.1uF
R506 75 1/16W
R507 75 1/16W
AD_SOG
RP504 100 1/16W
RP505 100 1/16W
ROUT[0..7]
near IC
L500 100 OHM 1/16W
C510 22pF
AD_CLK
R510 75 1/16W
C511 100pF
AD_HS
R511 75 1/16W
C512 100pF
AD_VS
C513 100uF/16V
C514 C515 C516 C517 C518 C519 C520 C521 C522 0.1uF
C524 10uF/16V
C526 C527 C528 C529 0.1uF
C525 100uF/16V
C530 C531 C532 C533 C534 C535 0.1uF


8V
CN601
L600 600 OHM
L604 600 OHM
PC_AUDIO
PC_L
PC_R
L605 600 OHM
C634 560pF
R654 4.7K 1/16W
C635 560pF
R655 4.7K 1/16W
Comp_L
Comp_R
C632 10uF/16V
C633 10uF/16V
Comp_L_1
Comp_R_1
R609 10K 1/16W
R610 10K 1/16W
R611 4.7K 1/16W
R612 4.7K 1/16W
L610 600 OHM
L609 600 OHM
L_OUT
R_OUT
R613 100 1/16W
R614 100 1/16W
C639 0.47uF/50V
R615 1K 1/16W
R616 100K 1/16W
For without SRS
R600
R617
NC
U600
M62438FP
C638 22uF/16V
SRS_CTL
R652 0 1/10W
C636 0.1uF
R618 47K 1/16W
R619 31.6K 1/16W
C640 0.47uF/50V
C641 0.0047uF
R620 3.9K 1/16W
R621 4.7K 1/16W
R622 1.5K 1/16W
C642 2.2uF/16V
C643 2.2uF/16V
R623 100 1/16W
R624 100 1/16W
12V_A
R643 3.9 3W
R644 3.9 3W
R649 3.9 3W
R650 3.9 3W
C644 220uF/16V
C645 0.1uF
L607 300 OHM
L608 300 OHM
near IC
C655 to big GND
C655 0.1uF
C654 0.1uF
R625 10K 1/16W
R646 NC
R628 1K 1/16W
PRE_L
R647 NC
R634 1K 1/16W
PRE_R
C656 0.001uF
C657 0.001uF
R630 1K 1/16W
R636 1K 1/16W
C647 0.22uF
C649 10uF/16V
R629 10K 1/16W
C650 0.22uF
C651 10uF/16V
U602
TDA7266D
IN1
ST_BY
S_GND
IN2
MUTE
PW_GND
OUT1+
OUT1-
OUT2+
OUT2-
L611 300 OHM
L612 300 OHM
L613 300 OHM
L614 300 OHM
Audio_L+
Audio_L-
Audio_R+
Audio_R-
LP600
300 OHM(8P4R)
CP600 470pF
CN600
CONN
L606 600 OHM
EAR_R
PRE_R
PRE_L
EAR_L
L615 600 OHM
5V_A
EAR_L
EAR_R
C646 100uF/16V
R626 10K 1/16W
C637 0.1uF
C648 100uF/16V
U603
PT2308S
OUT1
IN1-
IN1+
GND
VDD
OUT2
IN2-
IN2+
C659 0.001uF
R627 3.9K 1/16W
R631 3.9K 1/16W
C658 0.001uF
R633 10K 1/16W
R635 3.9K 1/16W
R632 3.9K 1/16W
C652 100uF/16V
R637 1K 1/16W
R638 1K 1/16W
C653 10uF/16V
R653 0 1/10W
MUTE
R639 10K 1/16W
Q600 PMBS3904
R640 10K 1/16W
R645 0 1/10W
AGND
AUDIO_GND


3 TUNER_SIF
5V_A
C661 0.1uF
C660 10uF/16V
L602 600 OHM
C601 3.3pF
C602 3.3pF
C603 56pF
C604 56pF
X600 18.432MHz
L601 600 OHM
C605 100uF/16V
C606 470pF
C607 0.0015uF
C608 0.1uF
C609 10uF/16V
R602 100Ω 1/16W
R604 100Ω 1/16W
3,4,5,6,9,14,15 SCL
3,4,5,6,9,14,15 SDA
U601
MSP3425G
SCL
SDA
I2S_CL
I2S_WS
I2S_DA_OUT
I2S_DA_IN1
ADR_DA
ADR_WS
ADR_CL
DVSUP
DVSS
I2S_DA_IN2
NC
NC
NC
RESETQ
NC
STANDBYQ
ADR_SEL
D_CTR_I/OUT0
D_CTR_I/OUT1
NC
NC
NC
TP
XTAL_OUT
XTAL_IN
TESTEN
NC
ANA_IN-
ANA_IN1+
AVSUP
AVSS
MON_IN
VREFTOP
SC1_IN_R
SC1_IN_L
ASG
SC2_IN_R
SC2_IN_L
ASG
NC
NC
NC
NC
NC
AGNDC
AHVSS
NC
NC
VREF2
DACM_R
DACM_L
NC
NC
NC
NC
NC
VREF1
SC1_OUT_R
SC1_OUT_L
NC
AHVSUP
CAPL_M
5V_A
C614 10uF/16V
C615 0.0015uF
C616 220pF
C617 470pF
R607 4.7KΩ 1/16W
C623 22uF/16V
R601 470Ω 1/16W
R603 470Ω 1/16W
R605 470Ω 1/16W
R606 470Ω 1/16W
ASEL_O_R 2
ASEL_O_L 2
PC_R 10
PC_L 10
C610 1uF/50V
C611 1uF/50V
C612 1uF/50V
C613 1uF/50V
C618 330pF
C619 330pF
C620 330pF
C621 330pF
C622 0.1uF
C624 3.3uF/50V
C625 10uF/16V
C600 0.0015uF
C628 470pF
C626 10uF/16V
8V
L603 600 OHM
C627 1uF/50V
10 R_OUT
10 L_OUT
C629 1uF/50V
C630 0.01uF
C631 0.01uF
R608 0Ω 1/16W
R641 100Ω 1/16W
R642 100Ω 1/16W
LINE_O_L 1
LINE_O_R 1
C662 0.01uF
C663 0.01uF



5VP : From Power Supply 5V

12VP : From Power Supply12V

8V :FOR MSP3455G/M62438/uPD64038

5V : For Tuner/VPC3230D/MSP3455G/ TVP5150/PT2308/PT2314/Z86129/uPD640

3.3VS : For Video Decoder VPC3230D / Teltext SAA5264

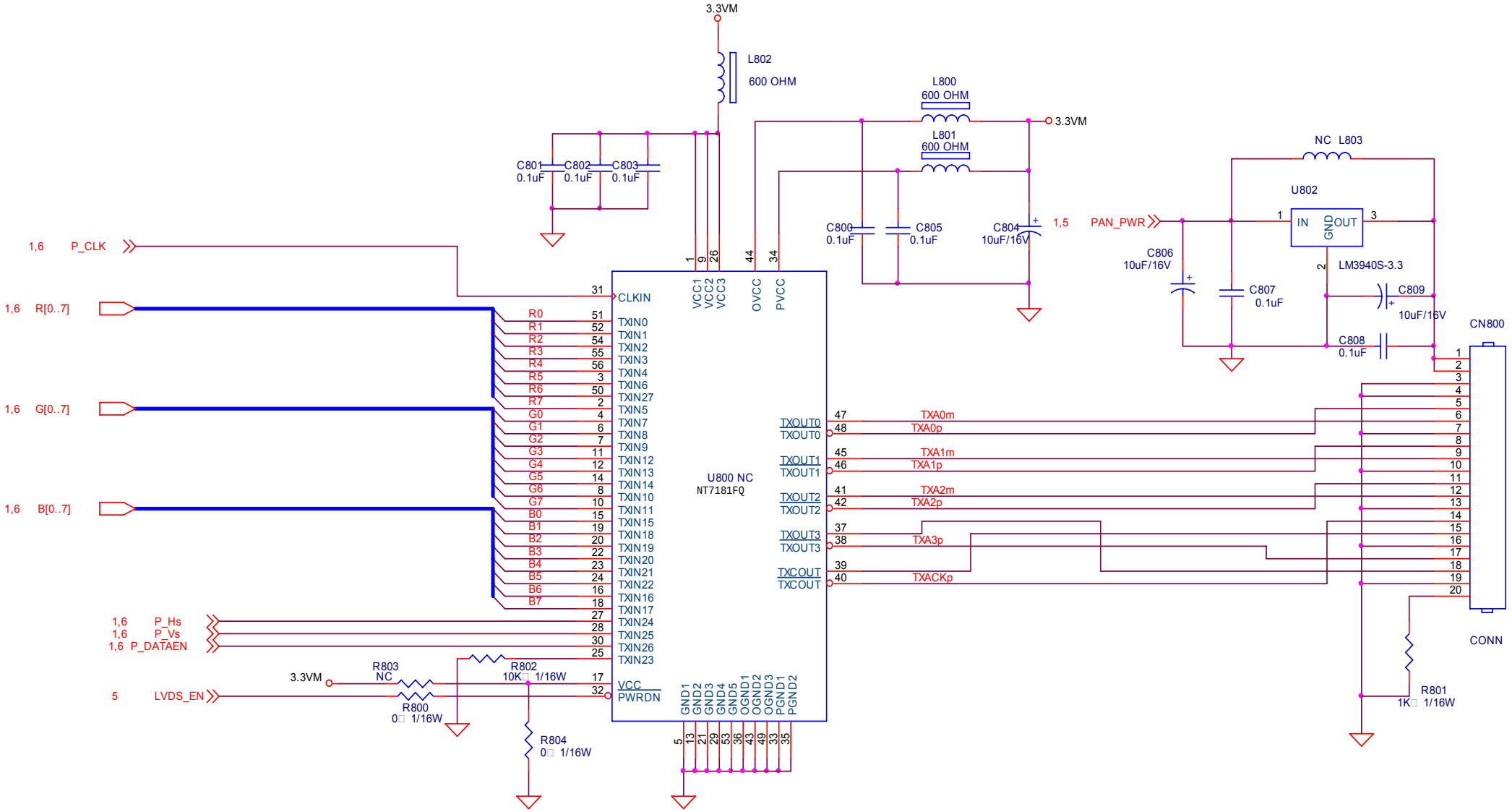
3.3VA : For ADC AD9883

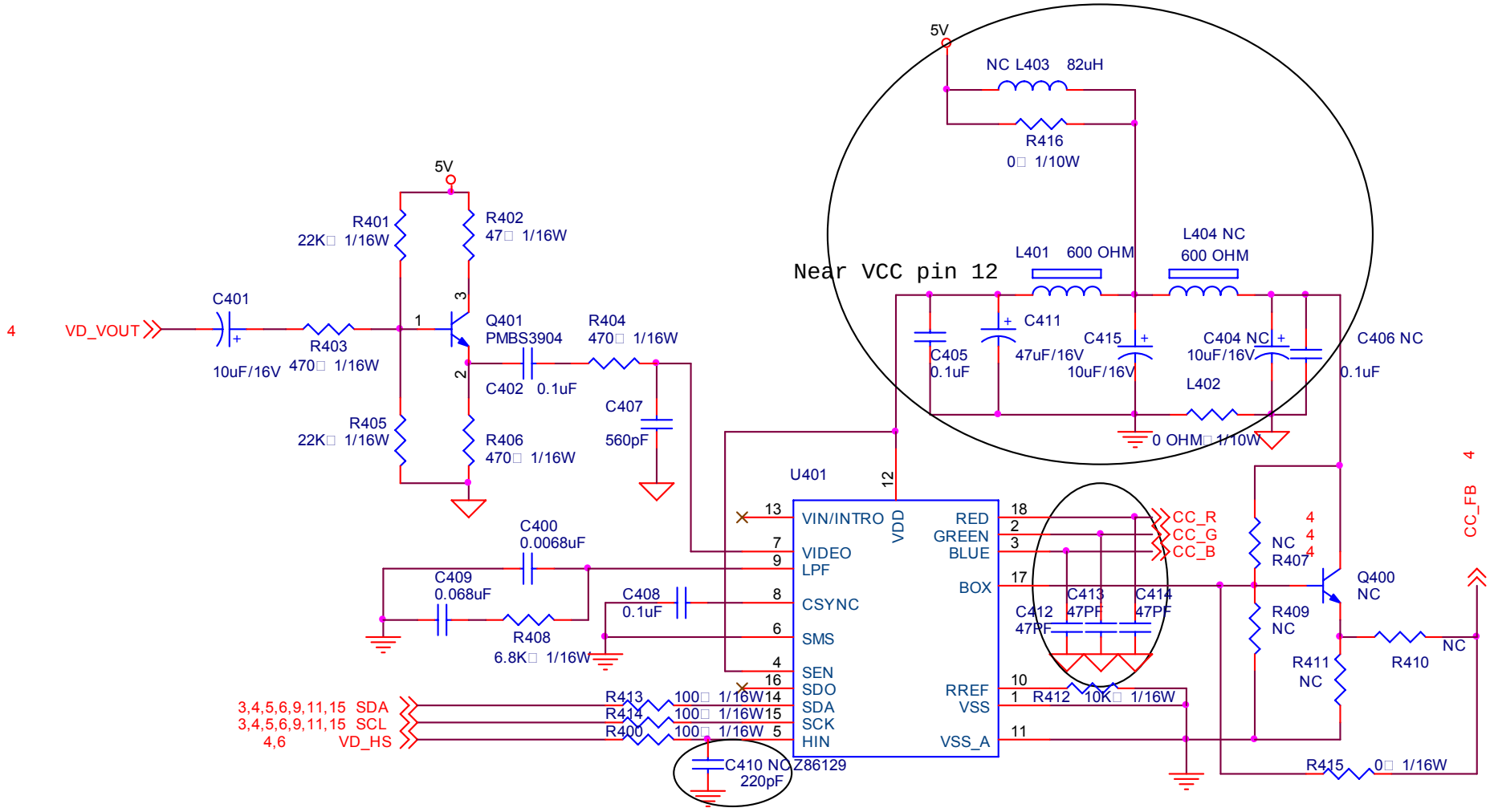
3.3VM : For Scaler spv301

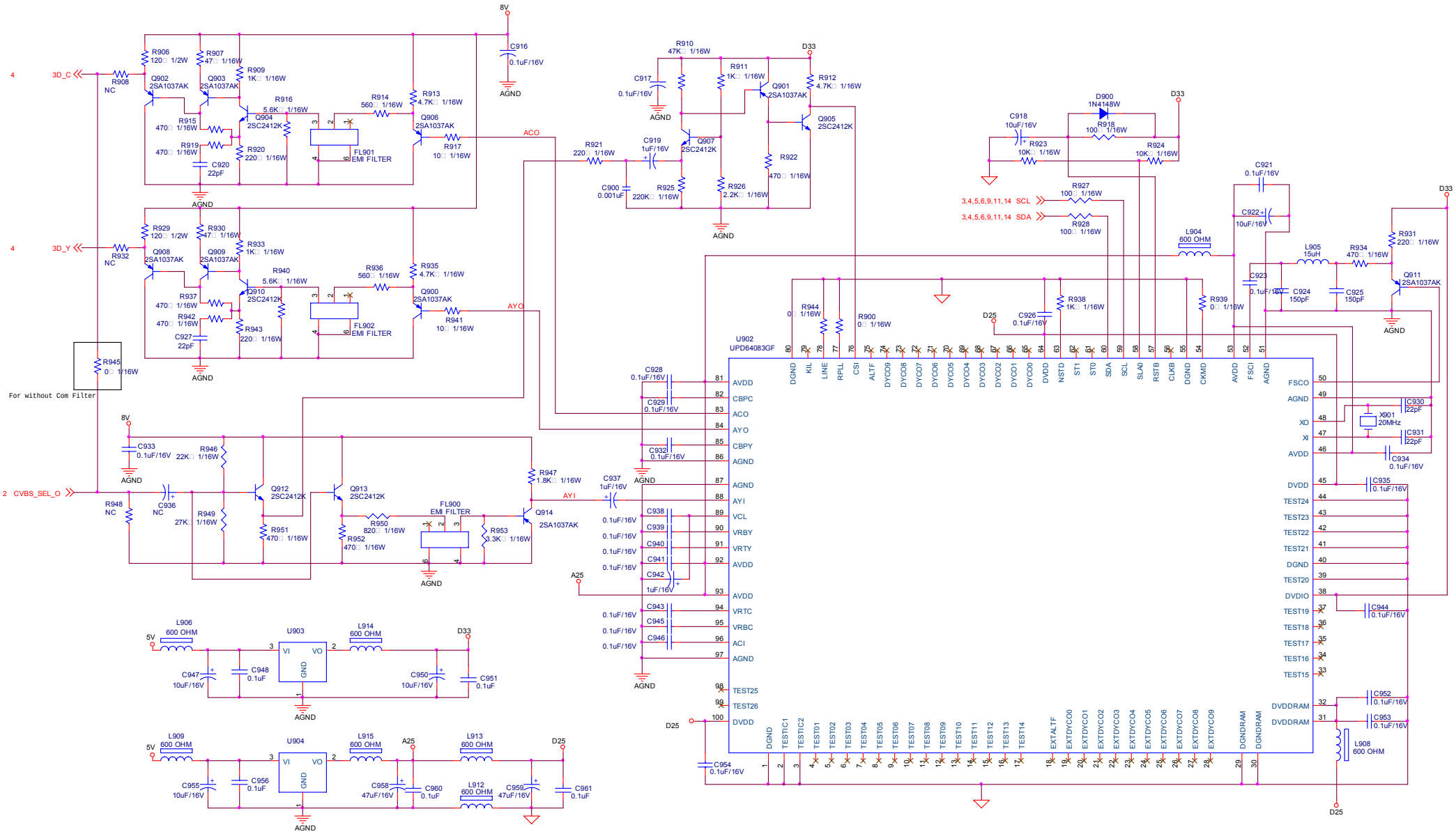
2.5V : For Scaler spv301

12V_A : For Audio AMP TDA7266D

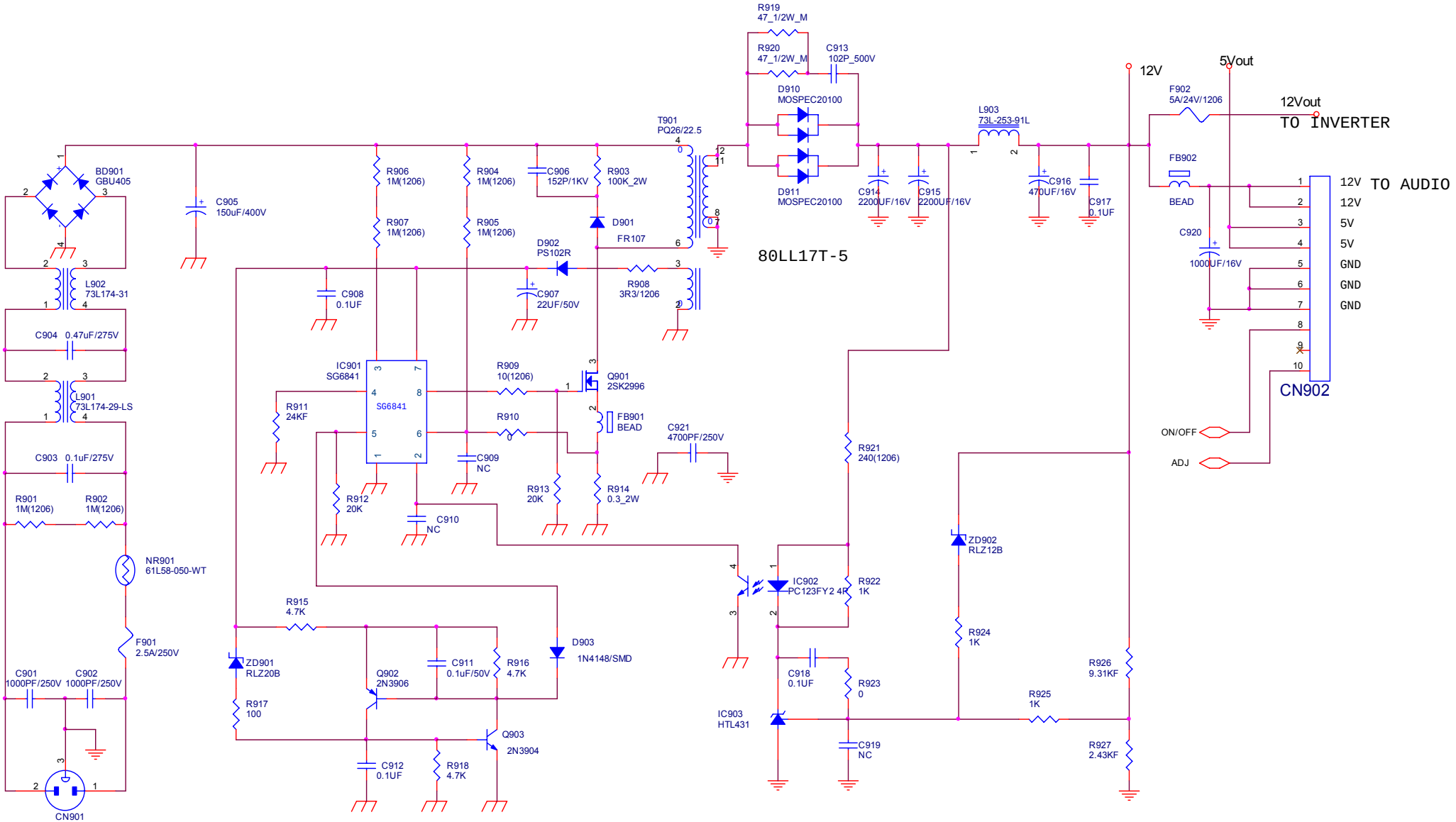
12V_T : For tuner boost

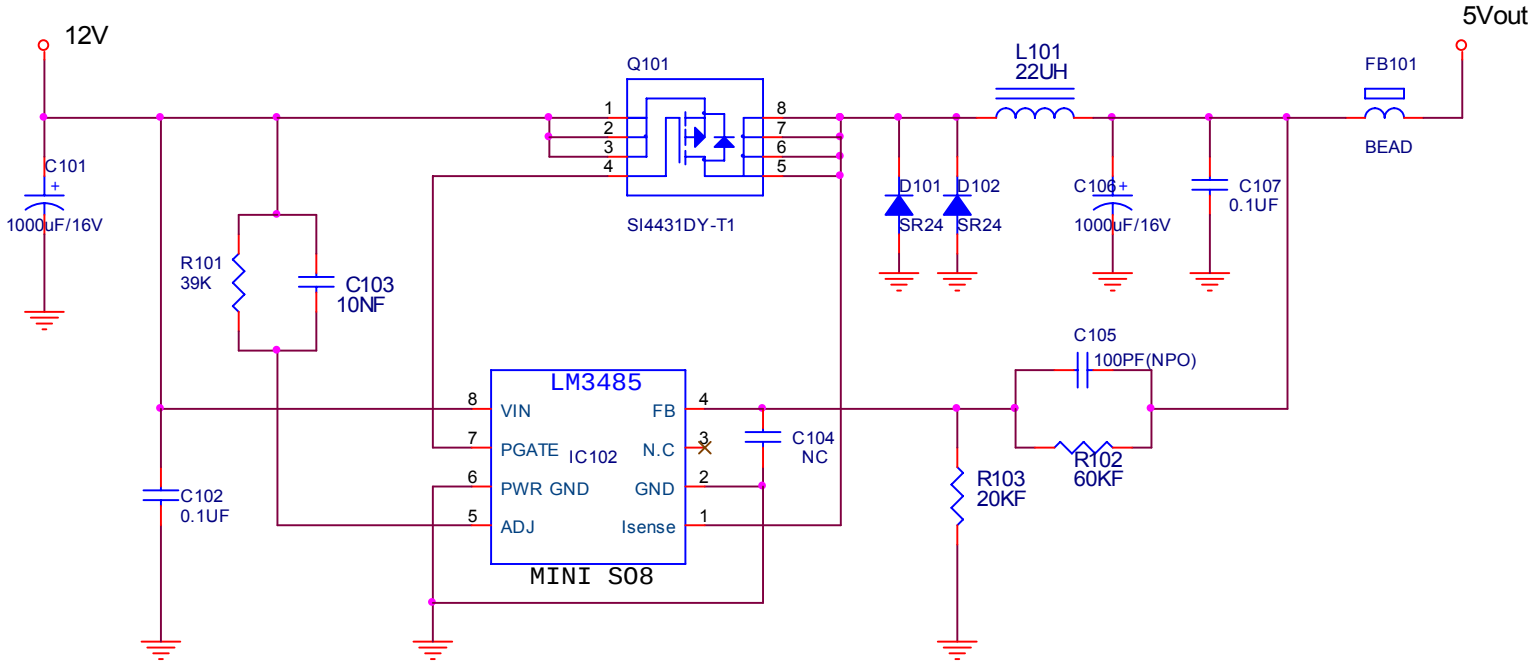

3.3VM
L802
600 OHM
L800
600 OHM
L801
600 OHM
3.3VM
C801
0.1uF
C802
0.1uF
C803
0.1uF
C800
0.1uF
C805
0.1uF
C804
10uF/16V
1,5
PAN_PWR
NC L803
U802
IN
GND
OUT
LM3940S-3.3
C806
10uF/16V
C807
0.1uF
C809
10uF/16V
C808
0.1uF
CN800
CONN
1,6 P_CLK
1,6 R[0..7]
1,6 G[0..7]
1,6 B[0..7]
1,6 P_Hs
1,6 P_Vs
1,6 P_DATAEN
5 LVDS_EN
3.3VM
R803
NC
R800
0□ 1/16W
R802
10K□ 1/16W
R804
0□ 1/16W
R801
1K□ 1/16W
U800 NC
NT7181FQ
CLKIN
TXIN0
TXIN1
TXIN2
TXIN3
TXIN4
TXIN6
TXIN27
TXIN5
TXIN7
TXIN8
TXIN9
TXIN12
TXIN13
TXIN14
TXIN10
TXIN11
TXIN15
TXIN18
TXIN19
TXIN20
TXIN21
TXIN22
TXIN16
TXIN17
TXIN24
TXIN25
TXIN26
TXIN23
VCC
PWRDN
VCC1
VCC2
VCC3
OVCC
PVCC
GND1
GND2
GND3
GND4
GND5
OGND1
OGND2
OGND3
PGND1
PGND2
TXOUT0
TXOUT0
TXOUT1
TXOUT1
TXOUT2
TXOUT2
TXOUT3
TXOUT3
TXCOUT
TXCOUT
TXA0m
TXA0p
TXA1m
TXA1p
TXA2m
TXA2p
TXA3p
TXACKp

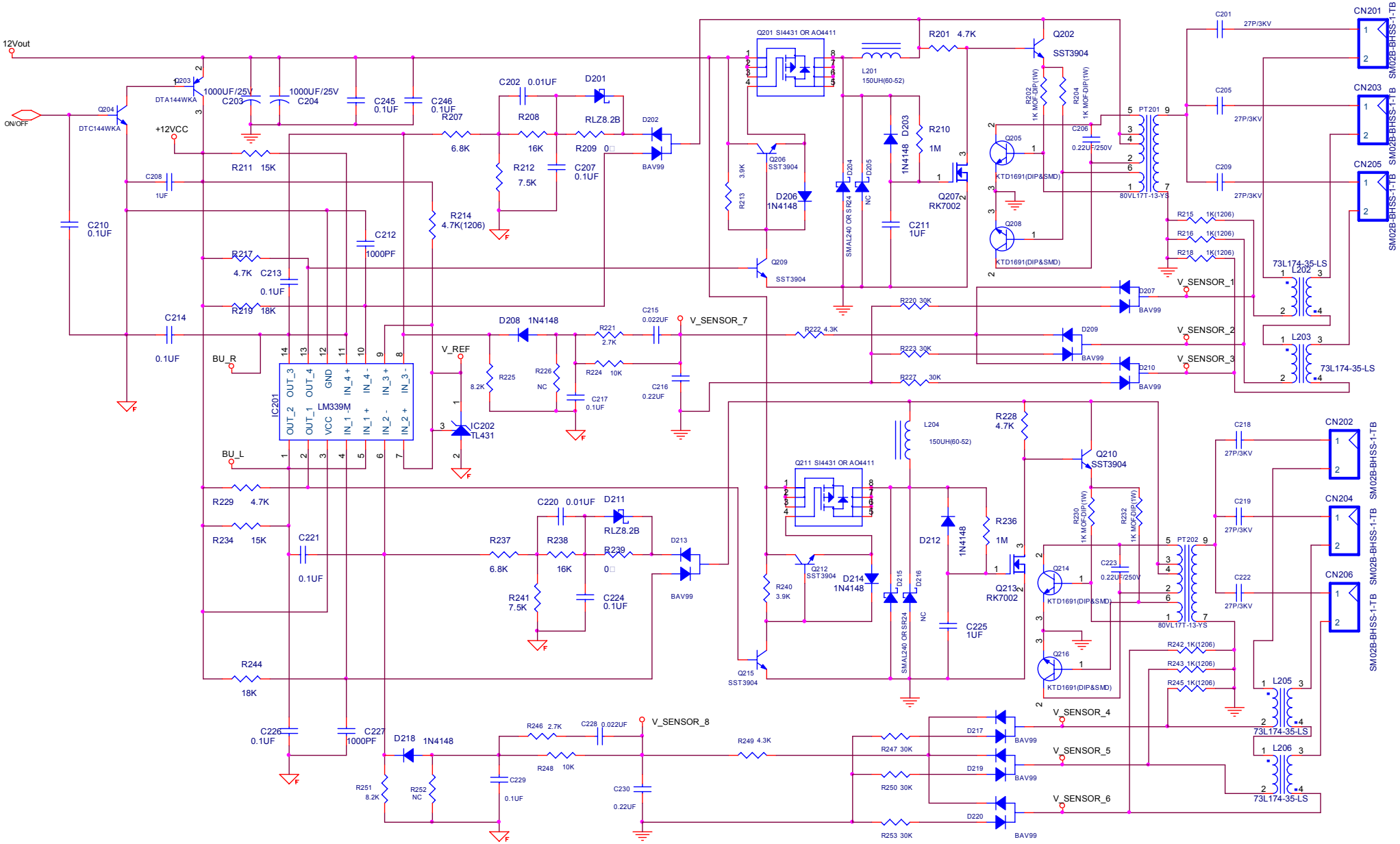

5V
NC L403 82uH
R416
0□ 1/10W
Near VCC pin 12
L401 600 OHM
L404 NC
600 OHM
C411
C405
0.1uF
47uF/16V
C415
10uF/16V
C404 NC
10uF/16V
C406 NC
0.1uF
L402
0 OHM□ 1/10W
5V
R401
22K□ 1/16W
R402
47□ 1/16W
C401
10uF/16V
R403
470□ 1/16W
Q401
PMBS3904
R404
470□ 1/16W
C402 0.1uF
C407
560pF
R405
22K□ 1/16W
R406
470□ 1/16W
4
VD_VOUT
U401
VIN/INTRO
VIDEO
LPF
CSYNC
SMS
SEN
SDO
SDA
SCK
HIN
VDD
RED
GREEN
BLUE
BOX
RREF
VSS
VSS_A
C400
0.0068uF
C409
0.068uF
R408
6.8K□ 1/16W
C408
0.1uF
C410 NC Z86129
220pF
R413 100□ 1/16W
R414 100□ 1/16W
R400 100□ 1/16W
3,4,5,6,9,11,15 SDA
3,4,5,6,9,11,15 SCL
4,6 VD_HS
CC_R
CC_G
CC_B
C412
47PF
C413
47PF
C414
47PF
R412 10K□ 1/16W
NC
R407
Q400
NC
R409
NC
R411
NC
R410
NC
R415 0□ 1/16W
CC_FB
4

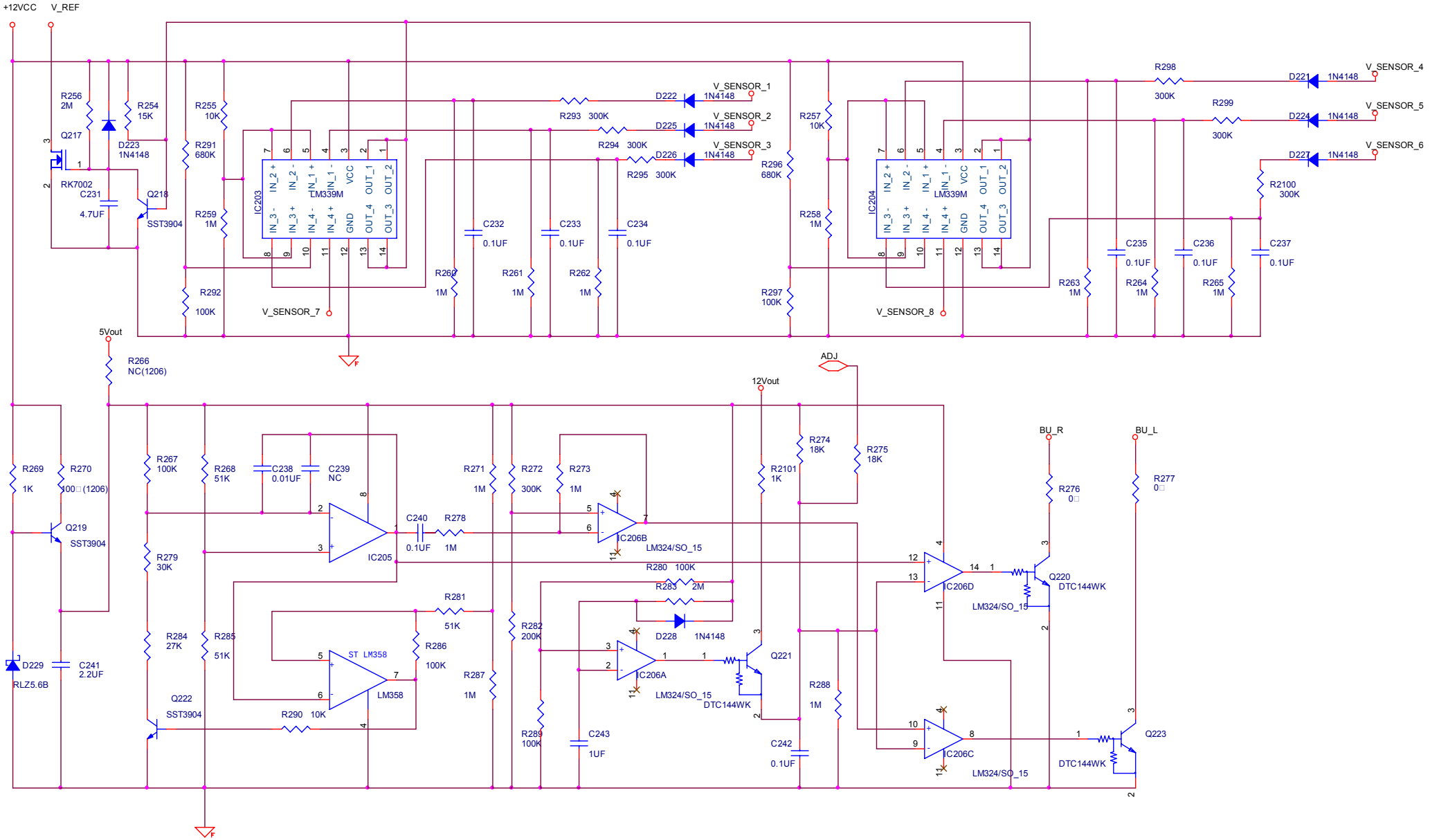

3D_C
3D_Y
CVBS_SEL_O
For without Com Filter
ACO
AYO
AYI
U902
UPD64083GF
U903
U904
FL901
EMI FILTER
FL902
EMI FILTER
FL900
EMI FILTER
X901
20MHz
3,4,5,6,9,11,14 SCL
3,4,5,6,9,11,14 SDA
8V
5V
D33
D25
A25
AGND

11-2. POWER SCHEMATIC DIAGRAM




12V
5Vout
Q101
L101
22UH
FB101
BEAD
C101
+
1000uF/16V
SI4431DY-T1
D101
SR24
D102
SR24
C106
+
1000uF/16V
C107
0.1UF
R101
39K
C103
10NF
C105
100PF(NPO)
LM3485
VIN
PGATE
PWR GND
ADJ
FB
N.C
GND
Isense
IC102
MINI SO8
C104
NC
R102
60KF
R103
20KF
C102
0.1UF


12Vout
ON/OFF
+12VCC
Q203 DTA144WKA
Q204 DTC144WKA
1000UF/25V C203
1000UF/25V C204
C245 0.1UF
C246 0.1UF
R207 6.8K
C202 0.01UF
D201
RLZ8.2B
D202
BAV99
R208 16K
R209 0
R212 7.5K
C207 0.1UF
R211 15K
C208 1UF
C210 0.1UF
R214 4.7K(1206)
C212 1000PF
R217 4.7K
C213 0.1UF
R219 18K
C214 0.1UF
BU_R
BU_L
IC201 LM339M
OUT_2 OUT_3 OUT_4 GND IN_4+ IN_4- IN_3+ IN_3-
OUT_1 VCC IN_1+ IN_1- IN_2- IN_2+
V_REF
IC202 TL431
R229 4.7K
R234 15K
C221 0.1UF
R244 18K
C226 0.1UF
C227 1000PF
D218 1N4148
R251 8.2K
R252 NC
C229 0.1UF
R246 2.7K
C228 0.022UF
R248 10K
C230 0.22UF
V_SENSOR_8
R249 4.3K
R247 30K
R250 30K
R253 30K
D217 BAV99
D219 BAV99
D220 BAV99
V_SENSOR_4
V_SENSOR_5
V_SENSOR_6
Q201 SI4431 OR AO4411
L201 150UH(60-52)
R201 4.7K
Q202 SST3904
R202 1K MOF-DIP(1W)
R204 1K MOF-DIP(1W)
C206 0.22UF/250V
PT201 80VL17T-13-YS
Q205 KTD1691(DIP&SMD)
Q208 KTD1691(DIP&SMD)
Q206 SST3904
Q209 SST3904
R213 3.9K
D206 1N4148
D204 SMAL240 OR SR24
D205 NC
D203 1N4148
R210 1M
Q207 RK7002
C211 1UF
C201 27P/3KV
C205 27P/3KV
C209 27P/3KV
CN201 SM02B-BHSS-1-TB
CN203 SM02B-BHSS-1-TB
CN205 SM02B-BHSS-1-TB
R215 1K(1206)
R216 1K(1206)
R218 1K(1206)
L202 73L174-35-LS
L203 73L174-35-LS
V_SENSOR_1
V_SENSOR_2
V_SENSOR_3
D208 1N4148
R221 2.7K
C215 0.022UF
V_SENSOR_7
R222 4.3K
R220 30K
R223 30K
R227 30K
D207 BAV99
D209 BAV99
D210 BAV99
R225 8.2K
R226 NC
R224 10K
C217 0.1UF
C216 0.22UF
Q211 SI4431 OR AO4411
L204 150UH(60-52)
R228 4.7K
Q210 SST3904
R230 1K MOF-DIP(1W)
R232 1K MOF-DIP(1W)
C223 0.22UF/250V
PT202 80VL17T-13-YS
Q214 KTD1691(DIP&SMD)
Q216 KTD1691(DIP&SMD)
Q212 SST3904
Q215 SST3904
R240 3.9K
D214 1N4148
D215
D216
SMAL240 OR SR24
NC
D212 1N4148
R236 1M
Q213 RK7002
C225 1UF
C218 27P/3KV
C219 27P/3KV
C222 27P/3KV
CN202 SM02B-BHSS-1-TB
CN204 SM02B-BHSS-1-TB
CN206 SM02B-BHSS-1-TB
R242 1K(1206)
R243 1K(1206)
R245 1K(1206)
L205 73L174-35-LS
L206 73L174-35-LS
R237 6.8K
C220 0.01UF
D211
RLZ8.2B
D213
BAV99
R238 16K
R239 0
R241 7.5K
C224 0.1UF


+12VCC
V_REF
R256 2M
R254 15K
Q217
D223 1N4148
RK7002
C231 4.7UF
Q218
SST3904
R255 10K
R291 680K
R259 1M
R292 100K
IC203
LM339M
IN_2 + IN_2 - IN_1 + IN_1 - VCC OUT_1 OUT_2
IN_3 - IN_3 + IN_4 - IN_4 + GND OUT_4 OUT_3
V_SENSOR_7
C232 0.1UF
C233 0.1UF
C234 0.1UF
R260 1M
R261 1M
R262 1M
R293 300K
R294 300K
R295 300K
D222
D225
D226
V_SENSOR_1 1N4148
V_SENSOR_2 1N4148
V_SENSOR_3 1N4148
R257 10K
R296 680K
R258 1M
R297 100K
IC204
LM339M
V_SENSOR_8
R298 300K
R299 300K
R2100 300K
D221
D224
D227
V_SENSOR_4 1N4148
V_SENSOR_5 1N4148
V_SENSOR_6 1N4148
C235 0.1UF
C236 0.1UF
C237 0.1UF
R263 1M
R264 1M
R265 1M
5Vout
R266 NC(1206)
ADJ
12Vout
R269 1K
R270 100Ω (1206)
Q219
SST3904
D229 RLZ5.6B
C241 2.2UF
R267 100K
R268 51K
R279 30K
R284 27K
R285 51K
Q222
SST3904
R290 10K
C238 0.01UF
C239 NC
IC205
C240 0.1UF
R278 1M
R271 1M
R272 300K
R273 1M
IC206B
LM324/SO_15
R280 100K
R281 51K
R286 100K
R287 1M
ST LM358
LM358
R282 200K
R289 100K
C243 1UF
R283 2M
D228 1N4148
IC206A
LM324/SO_15
Q221
DTC144WK
R2101 1K
R274 18K
R275 18K
R288 1M
C242 0.1UF
IC206D
LM324/SO_15
IC206C
LM324/SO_15
BU_R
BU_L
R276 0Ω
R277 0Ω
Q220
DTC144WK
Q223
DTC144WK